

## ANALYTICAL REPORT

Job Number: 460-43235-1

Job Description: Rohm and Haas Philly Plant

For:  
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Attention: Ms. Emily Strake



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08/20/2012

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## CASE NARRATIVE

**Client: URS Corporation**

**Project: Rohm and Haas Philly Plant**

**Report Number: 460-43235-1**

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

### **RECEIPT**

The samples were received on 08/07/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.1 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

### **TOTAL METALS**

Samples 460-43235-1 through 460-43235-4 were analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared on 08/16/2012 and analyzed on 08/16/2012 and 08/17/2012.

The matrix spike (MS) recovery for batch 124251 were outside control limits for Manganese, Calcium, Antimony, and Copper. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

As a standard practice all soil samples and related QC samples (i.e., MB, LCS, Dup, MS, SD) are diluted 2X-4X prior to analysis. Further dilutions may be required dependent upon analyte levels in the samples. Refer to the analytical results forms for dilutions.

Samples 460-43235-1 through 460-43235-4(4X) required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

### **TOTAL METALS**

Sample 460-43235-5 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 08/09/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

### **TOTAL MERCURY**

Sample 460-43235-5 was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 08/10/2012.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

### **TOTAL MERCURY**

Samples 460-43235-1 through 460-43235-4 were analyzed for total mercury in accordance with EPA SW-846 Method 7471A. The samples were prepared and analyzed on 08/16/2012.

No difficulties were encountered during the Hg analyses.

All quality control parameters were within the acceptance limits.

#### **ORGANOCHLORINE PESTICIDES**

Samples 460-43235-1 through 460-43235-4 were analyzed for organochlorine pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 08/09/2012 and analyzed on 08/13/2012.

The closing calibration verification (CCV) for analytical batch 124316 is outside control criteria for methoxychlor on the secondary column. Methoxychlor is within control limits on the primary column. The data have been qualified and reported.

The continuing calibration verification (CCV) for analytical batch 124316 is outside control criteria for methoxychlor on the secondary column. This analyte is within control limits on the primary column. The data have been qualified and reported. (CCV 460-124316/24)

No other difficulties were encountered during the pesticides analyses.

All quality control parameters were within the acceptance limits.

#### **CHLORINATED PESTICIDES**

Sample 460-43235-5 was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. The samples were prepared on 08/09/2012 and analyzed on 08/16/2012.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

#### **VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-43235-1 through 460-43235-4 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 08/08/2012 and analyzed on 08/11/2012.

Acetone and Trichlorofluoromethane were detected in method blank MB 460-123595/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

The laboratory control sample (LCS) for batch 123595 recovered outside control limits for the following analytes: Carbon disulfide and 1,2-Dibromo-3-chloropropane. The laboratory control sample duplicate (LCSD) recoveries were within control limits. The data has been flagged and reported. Refer to the QC report for details.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

#### **VOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-43235-5 and 460-43235-6 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 08/14/2012 and 08/15/2012.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

#### **SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Samples 460-43235-1 through 460-43235-4 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/10/2012 and analyzed on 08/15/2012 and 08/16/2012.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 123428 were outside advisory limits for 2,3,4,6-Tetrachlorophenol. The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 123428 were outside control limits for Benzo(a)pyrene, Benzo(g,h,i)perylene, Dibenz(a,h)anthracene and Indeno(1,2,3-cd)pyrene. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

#### **SEMOVOLATILE ORGANIC COMPOUNDS (GC-MS)**

Sample 460-43235-5 was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 08/09/2012 and analyzed on 08/14/2012.

Nitrobenzene-d5 failed the surrogate recovery criteria high for 460-43236-N-9-A MS. Nitrobenzene-d5 failed the surrogate recovery criteria high for 460-43236-M-9-A MSD. Refer to the QC report for details.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 123287 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. The presence of the '4' qualifier in the report indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

**PERCENT SOLIDS**

Samples 460-43235-1 through 460-43235-4 were analyzed for percent solids in accordance with D2974-87 Modified by ASTM. The samples were analyzed on 08/08/2012.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

## SAMPLE SUMMARY

Client: URS Corporation

Job Number: 460-43235-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-43235-1	20120807SB-437V0-2N	Solid	08/07/2012 0850	08/07/2012 1915
460-43235-2	20120807SB-438V5-6N	Solid	08/07/2012 0925	08/07/2012 1915
460-43235-3	20120807SB-436V0-2N	Solid	08/07/2012 0945	08/07/2012 1915
460-43235-4	20120807SB-435V0-2N	Solid	08/07/2012 1040	08/07/2012 1915
460-43235-5	20120807EB	Water	08/07/2012 1215	08/07/2012 1915
460-43235-6	20120807TB	Water	08/07/2012 0000	08/07/2012 1915

## EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 460-43235-1

Lab Sample ID Analyte	Client Sample ID 20120807SB-437V0-2N	Result	Qualifier	Reporting Limit	Units	Method
Methylene Chloride	0.23	J		1.3	ug/Kg	8260B
Tetrachloroethene	0.29	J		1.3	ug/Kg	8260B
Benzo[b]fluoranthene	19	J		34	ug/Kg	8270C
Benzo[a]pyrene	7.2	J		34	ug/Kg	8270C
4,4'-DDT	4.5	J p		7.0	ug/Kg	8081A
Aluminum	9860			41.3	mg/Kg	6010B
Arsenic	5.2			1.0	mg/Kg	6010B
Barium	116			41.3	mg/Kg	6010B
Beryllium	0.98			0.41	mg/Kg	6010B
Calcium	30200			1030	mg/Kg	6010B
Chromium	37.4			2.1	mg/Kg	6010B
Cobalt	13.2			10.3	mg/Kg	6010B
Copper	28.4			5.2	mg/Kg	6010B
Iron	28800			31.0	mg/Kg	6010B
Lead	16.2			1.0	mg/Kg	6010B
Magnesium	11800			1030	mg/Kg	6010B
Manganese	623			3.1	mg/Kg	6010B
Nickel	27.2			8.3	mg/Kg	6010B
Potassium	3010			1030	mg/Kg	6010B
Sodium	398	J		1030	mg/Kg	6010B
Vanadium	46.1			10.3	mg/Kg	6010B
Zinc	171			6.2	mg/Kg	6010B
Percent Moisture	4.2			1.0	%	Moisture
Percent Solids	95.8			1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 460-43235-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43235-2	20120807SB-438V5-6N					
Methylene Chloride		0.30	J	1.3	ug/Kg	8260B
Acetone		29	B	13	ug/Kg	8260B
2-Butanone		4.0	J	13	ug/Kg	8260B
Chlorobenzene		0.53	J	1.3	ug/Kg	8260B
1,2-Dichlorobenzene		0.60	J	1.3	ug/Kg	8260B
1,4-Dichlorobenzene		0.74	J	1.3	ug/Kg	8260B
Methylcyclohexane		0.59	J	1.3	ug/Kg	8260B
Phenanthrene		130	J	400	ug/Kg	8270C
Pyrene		1300		400	ug/Kg	8270C
Benzo[g,h,i]perylene		180	J	400	ug/Kg	8270C
Benzo[b]fluoranthene		190		40	ug/Kg	8270C
Benzo[a]pyrene		200		40	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		200		40	ug/Kg	8270C
Dibenz(a,h)anthracene		31	J	40	ug/Kg	8270C
Aluminum		2890		47.5	mg/Kg	6010B
Arsenic		36.9		1.2	mg/Kg	6010B
Barium		49.3		47.5	mg/Kg	6010B
Cadmium		0.50	J	1.2	mg/Kg	6010B
Calcium		1460		1190	mg/Kg	6010B
Chromium		33.6		2.4	mg/Kg	6010B
Cobalt		2.3	J	11.9	mg/Kg	6010B
Copper		23.0		5.9	mg/Kg	6010B
Iron		31100		35.6	mg/Kg	6010B
Lead		240		1.2	mg/Kg	6010B
Magnesium		708	J	1190	mg/Kg	6010B
Manganese		49.6		3.6	mg/Kg	6010B
Nickel		5.7	J	9.5	mg/Kg	6010B
Potassium		528	J	1190	mg/Kg	6010B
Selenium		1.7	J	2.4	mg/Kg	6010B
Sodium		827	J	1190	mg/Kg	6010B
Vanadium		20.0		11.9	mg/Kg	6010B
Zinc		238		7.1	mg/Kg	6010B
Mercury		0.025	J	0.035	mg/Kg	7471A
Percent Moisture		16.6		1.0	%	Moisture
Percent Solids		83.4		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 460-43235-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43235-3	20120807SB-436V0-2N					
Methylene Chloride		0.26	J	1.2	ug/Kg	8260B
o-Xylene		0.28	J	1.2	ug/Kg	8260B
Aluminum		8290		37.3	mg/Kg	6010B
Arsenic		5.7		0.93	mg/Kg	6010B
Barium		104		37.3	mg/Kg	6010B
Beryllium		0.76		0.37	mg/Kg	6010B
Calcium		26100		932	mg/Kg	6010B
Chromium		29.8		1.9	mg/Kg	6010B
Cobalt		9.9		9.3	mg/Kg	6010B
Copper		26.0		4.7	mg/Kg	6010B
Iron		24800		28.0	mg/Kg	6010B
Lead		16.0		0.93	mg/Kg	6010B
Magnesium		9730		932	mg/Kg	6010B
Manganese		505		2.8	mg/Kg	6010B
Nickel		21.8		7.5	mg/Kg	6010B
Potassium		2560		932	mg/Kg	6010B
Sodium		244	J	932	mg/Kg	6010B
Vanadium		37.3		9.3	mg/Kg	6010B
Zinc		100		5.6	mg/Kg	6010B
Percent Moisture		2.5		1.0	%	Moisture
Percent Solids		97.5		1.0	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 460-43235-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-43235-4	20120807SB-435V0-2N					
Methylene Chloride		0.44	J	1.8	ug/Kg	8260B
Chloroform		4.5		1.8	ug/Kg	8260B
1,2-Dichloroethane		25		1.8	ug/Kg	8260B
Toluene		1.0	J	1.8	ug/Kg	8260B
Tetrachloroethene		0.69	J	1.8	ug/Kg	8260B
Bis(2-chloroethyl)ether		1600		41	ug/Kg	8270C
Naphthalene		360	J	410	ug/Kg	8270C
2-Methylnaphthalene		140	J	410	ug/Kg	8270C
Diphenyl		77	J	410	ug/Kg	8270C
Acenaphthylene		52	J	410	ug/Kg	8270C
Acenaphthene		250	J	410	ug/Kg	8270C
Dibenzofuran		310	J	410	ug/Kg	8270C
Fluorene		320	J	410	ug/Kg	8270C
Fluoranthene		3500		410	ug/Kg	8270C
Anthracene		740		410	ug/Kg	8270C
Carbazole		180	J	410	ug/Kg	8270C
Phenanthrene		2600		410	ug/Kg	8270C
Pyrene		2700		410	ug/Kg	8270C
Chrysene		1900		410	ug/Kg	8270C
Benzo[k]fluoranthene		630		41	ug/Kg	8270C
Benzo[g,h,i]perylene		1400		410	ug/Kg	8270C
Benzo[b]fluoranthene		2300		41	ug/Kg	8270C
Benzo[a]pyrene		1900		41	ug/Kg	8270C
Benzo[a]anthracene		2100		41	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		1000		410	ug/Kg	8270C
Indeno[1,2,3-cd]pyrene		1900		41	ug/Kg	8270C
Dibenz(a,h)anthracene		340		41	ug/Kg	8270C
4,4'-DDD		80		8.3	ug/Kg	8081A
4,4'-DDE		26		8.3	ug/Kg	8081A
4,4'-DDT		4.6	J	8.3	ug/Kg	8081A
Aluminum		1460		44.0	mg/Kg	6010B
Arsenic		21.3		1.1	mg/Kg	6010B
Barium		114		44.0	mg/Kg	6010B
Calcium		922	J	1100	mg/Kg	6010B
Chromium		6.5		2.2	mg/Kg	6010B
Cobalt		3.8	J	11.0	mg/Kg	6010B
Copper		96.2		5.5	mg/Kg	6010B
Iron		22900		33.0	mg/Kg	6010B
Lead		3220		1.1	mg/Kg	6010B
Magnesium		133	J	1100	mg/Kg	6010B
Manganese		24.4		3.3	mg/Kg	6010B
Nickel		9.5		8.8	mg/Kg	6010B
Potassium		853	J	1100	mg/Kg	6010B
Selenium		3.3		2.2	mg/Kg	6010B
Vanadium		7.3	J	11.0	mg/Kg	6010B
Zinc		71.6		6.6	mg/Kg	6010B

## EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 460-43235-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Mercury		0.89		0.040	mg/Kg	7471A
Percent Moisture		19.6		1.0	%	Moisture
Percent Solids		80.4		1.0	%	Moisture
<b>460-43235-5</b>	<b>20120807EB</b>					
Arsenic		3.7	J	5.0	ug/L	6010B
<b>460-43235-6</b>	<b>20120807TB</b>					
Toluene		0.25	J	1.0	ug/L	8260B

## METHOD SUMMARY

Client: URS Corporation

Job Number: 460-43235-1

Description	Lab Location	Method	Preparation Method
<b>Matrix: Solid</b>			
Volatile Organic Compounds (GC/MS) Closed System Purge and Trap	TAL EDI TAL EDI	SW846 8260B SW846 5035	
Semivolatile Organic Compounds (GC/MS) Automated Soxhlet Extraction	TAL EDI TAL EDI	SW846 8270C SW846 3541	
Organochlorine Pesticides (GC) Automated Soxhlet Extraction	TAL EDI TAL EDI	SW846 8081A SW846 3541	
Metals (ICP) Preparation, Metals	TAL EDI TAL EDI	SW846 6010B SW846 3050B	
Mercury (CVAA) Preparation, Mercury	TAL EDI TAL EDI	SW846 7471A SW846 7471A	
Percent Moisture	TAL EDI	EPA Moisture	
<b>Matrix: Water</b>			
Volatile Organic Compounds (GC/MS) Purge and Trap	TAL EDI TAL EDI	SW846 8260B SW846 5030B	
Semivolatile Organic Compounds (GC/MS) Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI TAL EDI	SW846 8270C SW846 3510C	
Organochlorine Pesticides (GC) Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI TAL EDI	SW846 8081A SW846 3510C	
Metals (ICP) Preparation, Total Metals	TAL EDI TAL EDI	SW846 6010B SW846 3010A	
Mercury (CVAA) Preparation, Mercury	TAL EDI TAL EDI	SW846 7470A SW846 7470A	

**Lab References:**

TAL EDI = TestAmerica Edison

**Method References:**

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 460-43235-1

Method	Analyst	Analyst ID
SW846 8260B	Martinez, Eddie	EM
SW846 8260B	Moroney, Christopher J	CJM
SW846 8270C	Crocco, Michael	MC
SW846 8270C	Zhao, Chunxin	CZ
SW846 8081A	Manlangit, Ferdie	FM
SW846 6010B	Chang, Churn Der	CDC
SW846 7470A	Sheikh, Razia B	RBS
SW846 7471A	Staib, Thomas	TS
EPA Moisture	Chang, Ryan	RC

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63304.d
Dilution:	1.0			Initial Weight/Volume:	4.16 g
Analysis Date:	08/11/2012 0248			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1711				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.20	U	0.20	1.3
Bromomethane		0.54	U	0.54	1.3
Vinyl chloride		0.43	U	0.43	1.3
Chloroethane		0.41	U	0.41	1.3
Methylene Chloride		0.23	J	0.19	1.3
Acetone		2.1	U	2.1	13
Carbon disulfide		0.19	U *	0.19	1.3
Trichlorofluoromethane		0.20	U	0.20	1.3
1,1-Dichloroethene		0.24	U	0.24	1.3
1,1-Dichloroethane		0.14	U	0.14	1.3
trans-1,2-Dichloroethene		0.16	U	0.16	1.3
cis-1,2-Dichloroethene		0.14	U	0.14	1.3
Chloroform		0.30	U	0.30	1.3
2-Butanone		0.79	U	0.79	13
1,2-Dichloroethane		0.23	U	0.23	1.3
1,1,1-Trichloroethane		0.16	U	0.16	1.3
Carbon tetrachloride		0.19	U	0.19	1.3
Benzene		0.19	U	0.19	1.3
Bromoform		0.21	U	0.21	1.3
Styrene		0.35	U	0.35	1.3
m&p-Xylene		0.74	U	0.74	2.5
o-Xylene		0.24	U	0.24	1.3
Ethylbenzene		0.21	U	0.21	1.3
Chlorobenzene		0.23	U	0.23	1.3
Cyclohexane		0.16	U	0.16	1.3
Isopropylbenzene		0.14	U	0.14	1.3
2-Hexanone		0.16	U	0.16	13
MTBE		0.14	U	0.14	1.3
Freon TF		0.14	U	0.14	1.3
Methyl acetate		0.40	U	0.40	1.3
1,4-Dioxane		16	U	16	63
Trichloroethene		0.15	U	0.15	1.3
Toluene		0.18	U	0.18	1.3
trans-1,3-Dichloropropene		0.13	U	0.13	1.3
4-Methyl-2-pentanone		0.25	U	0.25	13
cis-1,3-Dichloropropene		0.18	U	0.18	1.3
1,2-Dichlorobenzene		0.13	U	0.13	1.3
1,3-Dichlorobenzene		0.20	U	0.20	1.3
1,4-Dichlorobenzene		0.14	U	0.14	1.3
1,2,4-Trichlorobenzene		0.24	U	0.24	1.3
1,2,3-Trichlorobenzene		0.20	U	0.20	1.3
1,2-Dichloropropane		0.19	U	0.19	1.3
Methylcyclohexane		0.13	U	0.13	1.3
Tetrachloroethene		0.29	J	0.15	1.3
1,2-Dibromo-3-Chloropropane		0.55	U *	0.55	1.3
1,1,2,2-Tetrachloroethane		0.11	U	0.11	1.3

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63304.d
Dilution:	1.0			Initial Weight/Volume:	4.16 g
Analysis Date:	08/11/2012 0248			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1711				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.18	U	0.18	1.3
Dibromochloromethane		0.13	U	0.13	1.3
1,2-Dibromoethane		0.19	U	0.19	1.3
Dichlorodifluoromethane		0.28	U	0.28	1.3
Bromochloromethane		0.14	U	0.14	1.3
Bromodichloromethane		0.40	U	0.40	1.3
Surrogate		%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		96		70 - 130	
Toluene-d8 (Surr)		98		70 - 130	
Bromofluorobenzene		98		70 - 130	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63307.d
Dilution:	1.0			Initial Weight/Volume:	4.63 g
Analysis Date:	08/11/2012 0403			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1712				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.21	U	0.21	1.3
Bromomethane		0.56	U	0.56	1.3
Vinyl chloride		0.44	U	0.44	1.3
Chloroethane		0.43	U	0.43	1.3
Methylene Chloride		0.30	J	0.19	1.3
Acetone		29	B	2.2	13
Carbon disulfide		0.19	U *	0.19	1.3
Trichlorofluoromethane		0.21	U	0.21	1.3
1,1-Dichloroethene		0.25	U	0.25	1.3
1,1-Dichloroethane		0.14	U	0.14	1.3
trans-1,2-Dichloroethene		0.17	U	0.17	1.3
cis-1,2-Dichloroethene		0.14	U	0.14	1.3
Chloroform		0.31	U	0.31	1.3
2-Butanone		4.0	J	0.82	13
1,2-Dichloroethane		0.23	U	0.23	1.3
1,1,1-Trichloroethane		0.17	U	0.17	1.3
Carbon tetrachloride		0.19	U	0.19	1.3
Benzene		0.19	U	0.19	1.3
Bromoform		0.22	U	0.22	1.3
Styrene		0.36	U	0.36	1.3
m&p-Xylene		0.76	U	0.76	2.6
o-Xylene		0.25	U	0.25	1.3
Ethylbenzene		0.22	U	0.22	1.3
Chlorobenzene		0.53	J	0.23	1.3
Cyclohexane		0.17	U	0.17	1.3
Isopropylbenzene		0.14	U	0.14	1.3
2-Hexanone		0.17	U	0.17	13
MTBE		0.14	U	0.14	1.3
Freon TF		0.14	U	0.14	1.3
Methyl acetate		0.41	U	0.41	1.3
1,4-Dioxane		16	U	16	65
Trichloroethene		0.16	U	0.16	1.3
Toluene		0.18	U	0.18	1.3
trans-1,3-Dichloropropene		0.13	U	0.13	1.3
4-Methyl-2-pentanone		0.26	U	0.26	13
cis-1,3-Dichloropropene		0.18	U	0.18	1.3
1,2-Dichlorobenzene		0.60	J	0.13	1.3
1,3-Dichlorobenzene		0.21	U	0.21	1.3
1,4-Dichlorobenzene		0.74	J	0.14	1.3
1,2,4-Trichlorobenzene		0.25	U	0.25	1.3
1,2,3-Trichlorobenzene		0.21	U	0.21	1.3
1,2-Dichloropropane		0.19	U	0.19	1.3
Methylcyclohexane		0.59	J	0.13	1.3
Tetrachloroethene		0.16	U	0.16	1.3
1,2-Dibromo-3-Chloropropane		0.57	U *	0.57	1.3
1,1,2,2-Tetrachloroethane		0.12	U	0.12	1.3

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63307.d
Dilution:	1.0			Initial Weight/Volume:	4.63 g
Analysis Date:	08/11/2012 0403			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1712				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.18	U	0.18	1.3
Dibromochloromethane		0.13	U	0.13	1.3
1,2-Dibromoethane		0.19	U	0.19	1.3
Dichlorodifluoromethane		0.28	U	0.28	1.3
Bromochloromethane		0.14	U	0.14	1.3
Bromodichloromethane		0.41	U	0.41	1.3
Surrogate		%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		97		70 - 130	
Toluene-d8 (Surr)		100		70 - 130	
Bromofluorobenzene		112		70 - 130	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63305.d
Dilution:	1.0			Initial Weight/Volume:	4.24 g
Analysis Date:	08/11/2012 0313			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1713				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.19	U	0.19	1.2
Bromomethane		0.52	U	0.52	1.2
Vinyl chloride		0.41	U	0.41	1.2
Chloroethane		0.40	U	0.40	1.2
Methylene Chloride		0.26	J	0.18	1.2
Acetone		2.0	U	2.0	12
Carbon disulfide		0.18	U *	0.18	1.2
Trichlorofluoromethane		0.19	U	0.19	1.2
1,1-Dichloroethene		0.23	U	0.23	1.2
1,1-Dichloroethane		0.13	U	0.13	1.2
trans-1,2-Dichloroethene		0.16	U	0.16	1.2
cis-1,2-Dichloroethene		0.13	U	0.13	1.2
Chloroform		0.29	U	0.29	1.2
2-Butanone		0.76	U	0.76	12
1,2-Dichloroethane		0.22	U	0.22	1.2
1,1,1-Trichloroethane		0.16	U	0.16	1.2
Carbon tetrachloride		0.18	U	0.18	1.2
Benzene		0.18	U	0.18	1.2
Bromoform		0.21	U	0.21	1.2
Styrene		0.34	U	0.34	1.2
m&p-Xylene		0.71	U	0.71	2.4
o-Xylene		0.28	J	0.23	1.2
Ethylbenzene		0.21	U	0.21	1.2
Chlorobenzene		0.22	U	0.22	1.2
Cyclohexane		0.16	U	0.16	1.2
Isopropylbenzene		0.13	U	0.13	1.2
2-Hexanone		0.16	U	0.16	12
MTBE		0.13	U	0.13	1.2
Freon TF		0.13	U	0.13	1.2
Methyl acetate		0.39	U	0.39	1.2
1,4-Dioxane		15	U	15	60
Trichloroethene		0.15	U	0.15	1.2
Toluene		0.17	U	0.17	1.2
trans-1,3-Dichloropropene		0.12	U	0.12	1.2
4-Methyl-2-pentanone		0.24	U	0.24	12
cis-1,3-Dichloropropene		0.17	U	0.17	1.2
1,2-Dichlorobenzene		0.12	U	0.12	1.2
1,3-Dichlorobenzene		0.19	U	0.19	1.2
1,4-Dichlorobenzene		0.13	U	0.13	1.2
1,2,4-Trichlorobenzene		0.23	U	0.23	1.2
1,2,3-Trichlorobenzene		0.19	U	0.19	1.2
1,2-Dichloropropane		0.18	U	0.18	1.2
Methylcyclohexane		0.12	U	0.12	1.2
Tetrachloroethene		0.15	U	0.15	1.2
1,2-Dibromo-3-Chloropropane		0.53	U *	0.53	1.2
1,1,2,2-Tetrachloroethane		0.11	U	0.11	1.2

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63305.d
Dilution:	1.0			Initial Weight/Volume:	4.24 g
Analysis Date:	08/11/2012 0313			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1713				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.17	U	0.17	1.2
Dibromochloromethane		0.12	U	0.12	1.2
1,2-Dibromoethane		0.18	U	0.18	1.2
Dichlorodifluoromethane		0.27	U	0.27	1.2
Bromochloromethane		0.13	U	0.13	1.2
Bromodichloromethane		0.39	U	0.39	1.2
Surrogate		%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		93		70 - 130	
Toluene-d8 (Surr)		97		70 - 130	
Bromofluorobenzene		98		70 - 130	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63306.d
Dilution:	1.0			Initial Weight/Volume:	3.54 g
Analysis Date:	08/11/2012 0338			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1714				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Chloromethane		0.28	U	0.28	1.8
Bromomethane		0.76	U	0.76	1.8
Vinyl chloride		0.60	U	0.60	1.8
Chloroethane		0.58	U	0.58	1.8
Methylene Chloride		0.44	J	0.26	1.8
Acetone		3.0	U	3.0	18
Carbon disulfide		0.26	U *	0.26	1.8
Trichlorofluoromethane		0.28	U	0.28	1.8
1,1-Dichloroethene		0.33	U	0.33	1.8
1,1-Dichloroethane		0.19	U	0.19	1.8
trans-1,2-Dichloroethene		0.23	U	0.23	1.8
cis-1,2-Dichloroethene		0.19	U	0.19	1.8
Chloroform		4.5		0.42	1.8
2-Butanone		1.1	U	1.1	18
1,2-Dichloroethane		25		0.32	1.8
1,1,1-Trichloroethane		0.23	U	0.23	1.8
Carbon tetrachloride		0.26	U	0.26	1.8
Benzene		0.26	U	0.26	1.8
Bromoform		0.30	U	0.30	1.8
Styrene		0.49	U	0.49	1.8
m&p-Xylene		1.0	U	1.0	3.5
o-Xylene		0.33	U	0.33	1.8
Ethylbenzene		0.30	U	0.30	1.8
Chlorobenzene		0.32	U	0.32	1.8
Cyclohexane		0.23	U	0.23	1.8
Isopropylbenzene		0.19	U	0.19	1.8
2-Hexanone		0.23	U	0.23	18
MTBE		0.19	U	0.19	1.8
Freon TF		0.19	U	0.19	1.8
Methyl acetate		0.56	U	0.56	1.8
1,4-Dioxane		22	U	22	88
Trichloroethene		0.21	U	0.21	1.8
Toluene		1.0	J	0.25	1.8
trans-1,3-Dichloropropene		0.18	U	0.18	1.8
4-Methyl-2-pentanone		0.35	U	0.35	18
cis-1,3-Dichloropropene		0.25	U	0.25	1.8
1,2-Dichlorobenzene		0.18	U	0.18	1.8
1,3-Dichlorobenzene		0.28	U	0.28	1.8
1,4-Dichlorobenzene		0.19	U	0.19	1.8
1,2,4-Trichlorobenzene		0.33	U	0.33	1.8
1,2,3-Trichlorobenzene		0.28	U	0.28	1.8
1,2-Dichloropropane		0.26	U	0.26	1.8
Methylcyclohexane		0.18	U	0.18	1.8
Tetrachloroethene		0.69	J	0.21	1.8
1,2-Dibromo-3-Chloropropane		0.77	U *	0.77	1.8
1,1,2,2-Tetrachloroethane		0.16	U	0.16	1.8

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-123168	Lab File ID:	o63306.d
Dilution:	1.0			Initial Weight/Volume:	3.54 g
Analysis Date:	08/11/2012 0338			Final Weight/Volume:	5 mL
Prep Date:	08/08/2012 1714				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,2-Trichloroethane		0.25	U	0.25	1.8
Dibromochloromethane		0.18	U	0.18	1.8
1,2-Dibromoethane		0.26	U	0.26	1.8
Dichlorodifluoromethane		0.39	U	0.39	1.8
Bromochloromethane		0.19	U	0.19	1.8
Bromodichloromethane		0.56	U	0.56	1.8
Surrogate		%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		96		70 - 130	
Toluene-d8 (Surr)		103		70 - 130	
Bromofluorobenzene		104		70 - 130	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	c69986.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/14/2012 2339			Final Weight/Volume:	5 mL
Prep Date:	08/14/2012 2339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	0.10	U	0.10	1.0
Bromomethane	0.18	U	0.18	1.0
Vinyl chloride	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
Methylene Chloride	0.18	U	0.18	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
Chloroform	0.080	U	0.080	1.0
2-Butanone	2.3	U	2.3	5.0
1,2-Dichloroethane	0.19	U	0.19	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
Bromoform	0.19	U	0.19	1.0
Styrene	0.12	U	0.12	1.0
m&p-Xylene	0.25	U	0.25	2.0
o-Xylene	0.13	U	0.13	1.0
Ethylbenzene	0.10	U	0.10	1.0
Chlorobenzene	0.11	U	0.11	1.0
Cyclohexane	0.16	U	0.16	1.0
Isopropylbenzene	0.080	U	0.080	1.0
2-Hexanone	0.50	U	0.50	5.0
MTBE	0.14	U	0.14	1.0
Freon TF	0.080	U	0.080	1.0
Methyl acetate	0.34	U	0.34	2.0
1,4-Dioxane	36	U	36	50
Trichloroethene	0.090	U	0.090	1.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.51	U	0.51	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Tetrachloroethene	0.10	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	c69986.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/14/2012 2339			Final Weight/Volume:	5 mL
Prep Date:	08/14/2012 2339				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Bromochloromethane	0.27	U	0.27	1.0
Bromodichloromethane	0.12	U	0.12	1.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	104		70 - 130	
Toluene-d8 (Surr)	100		70 - 130	
Bromofluorobenzene	100		70 - 130	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807TB

Lab Sample ID: 460-43235-6

Date Sampled: 08/07/2012 0000

Client Matrix: Water

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	c69987.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2012 0002			Final Weight/Volume:	5 mL
Prep Date:	08/15/2012 0002				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	0.10	U	0.10	1.0
Bromomethane	0.18	U	0.18	1.0
Vinyl chloride	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
Methylene Chloride	0.18	U	0.18	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
Chloroform	0.080	U	0.080	1.0
2-Butanone	2.3	U	2.3	5.0
1,2-Dichloroethane	0.19	U	0.19	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
Bromoform	0.19	U	0.19	1.0
Styrene	0.12	U	0.12	1.0
m&p-Xylene	0.25	U	0.25	2.0
o-Xylene	0.13	U	0.13	1.0
Ethylbenzene	0.10	U	0.10	1.0
Chlorobenzene	0.11	U	0.11	1.0
Cyclohexane	0.16	U	0.16	1.0
Isopropylbenzene	0.080	U	0.080	1.0
2-Hexanone	0.50	U	0.50	5.0
MTBE	0.14	U	0.14	1.0
Freon TF	0.080	U	0.080	1.0
Methyl acetate	0.34	U	0.34	2.0
1,4-Dioxane	36	U	36	50
Trichloroethene	0.090	U	0.090	1.0
Toluene	0.25	J	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.51	U	0.51	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Tetrachloroethene	0.10	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807TB

Lab Sample ID: 460-43235-6

Date Sampled: 08/07/2012 0000

Client Matrix: Water

Date Received: 08/07/2012 1915

**8260B Volatile Organic Compounds (GC/MS)**

Analysis Method:	8260B	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	c69987.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2012 0002			Final Weight/Volume:	5 mL
Prep Date:	08/15/2012 0002				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Bromochloromethane	0.27	U	0.27	1.0
Bromodichloromethane	0.12	U	0.12	1.0
Surrogate	%Rec	Qualifier	Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	
Toluene-d8 (Surr)	101		70 - 130	
Bromofluorobenzene	99		70 - 130	

## Analytical Data

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

### 8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11883.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/15/2012 0419			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		46	U	46	340
2-Chlorophenol		45	U	45	340
2-Methylphenol		59	U	59	340
4-Methylphenol		68	U	68	340
Benzaldehyde		41	U	41	340
Acetophenone		53	U	53	340
Bis(2-chloroethyl)ether		4.7	U	4.7	34
2,2'-oxybis[1-chloropropane]		38	U	38	340
N-Nitrosodi-n-propylamine		5.8	U	5.8	34
Nitrobenzene		4.9	U	4.9	34
Hexachloroethane		3.8	U	3.8	34
Isophorone		42	U	42	340
2-Nitrophenol		38	U	38	340
2,4-Dimethylphenol		85	U	85	340
2,4-Dichlorophenol		50	U	50	340
Bis(2-chloroethoxy)methane		45	U	45	340
Naphthalene		40	U	40	340
4-Chloroaniline		91	U	91	340
Hexachlorobutadiene		8.4	U	8.4	70
Caprolactam		79	U	79	340
4-Chloro-3-methylphenol		52	U	52	340
2-Methylnaphthalene		44	U	44	340
Hexachlorobenzene		4.7	U	4.7	34
Hexachlorocyclopentadiene		41	U	41	340
2,4,6-Trichlorophenol		40	U	40	340
2,4,5-Trichlorophenol		45	U	45	340
Diphenyl		46	U	46	340
2-Chloronaphthalene		38	U	38	340
2-Nitroaniline		140	U	140	700
2,6-Dinitrotoluene		10	U	10	70
Dimethyl phthalate		41	U	41	340
Acenaphthylene		41	U	41	340
3-Nitroaniline		120	U	120	700
Acenaphthene		50	U	50	340
4-Nitrophenol		220	U	220	1000
2,4-Dinitrophenol		200	U	200	1000
Dibenzofuran		40	U	40	340
Diethyl phthalate		41	U	41	340
Fluorene		44	U	44	340
Fluoranthene		46	U	46	340
Di-n-butyl phthalate		43	U	43	340
2,4-Dinitrotoluene		11	U	11	70
4-Chlorophenyl phenyl ether		40	U	40	340
4-Nitroaniline		110	U	110	700
4,6-Dinitro-2-methylphenol		94	U	94	1000
4-Bromophenyl phenyl ether		34	U	34	340

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11883.d
Dilution:	1.0			Initial Weight/Volume:	15.01 g
Analysis Date:	08/15/2012 0419			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		53	U	53	340
Anthracene		42	U	42	340
Carbazole		41	U	41	340
Phenanthrene		44	U	44	340
Pentachlorophenol		100	U	100	1000
Pyrene		29	U	29	340
Chrysene		40	U	40	340
Benzo[k]fluoranthene		2.6	U	2.6	34
Benzo[g,h,i]perylene		26	U	26	340
Benzo[b]fluoranthene		19	J	2.2	34
Benzo[a]pyrene		7.2	J	2.4	34
Benzo[a]anthracene		2.4	U	2.4	34
N-Nitrosodiphenylamine		34	U	34	340
Butyl benzyl phthalate		32	U	32	340
Bis(2-ethylhexyl) phthalate		110	U	110	340
Di-n-octyl phthalate		22	U	22	340
Indeno[1,2,3-cd]pyrene		6.4	U	6.4	34
Dibenz(a,h)anthracene		4.3	U	4.3	34
3,3'-Dichlorobenzidine		120	U	120	700
1,2,4,5-Tetrachlorobenzene		46	U	46	340
2,3,4,6-Tetrachlorophenol		45	U	45	340

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	79		38 - 105
Phenol-d5	75		41 - 118
Terphenyl-d14	77		16 - 151
2,4,6-Tribromophenol	51		10 - 120
2-Fluorophenol	76		37 - 125
2-Fluorobiphenyl	84		40 - 109

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124326	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11935.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/16/2012 0001			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		53	U	53	400
2-Chlorophenol		52	U	52	400
2-Methylphenol		68	U	68	400
4-Methylphenol		78	U	78	400
Benzaldehyde		47	U	47	400
Acetophenone		61	U	61	400
Bis(2-chloroethyl)ether		5.4	U	5.4	40
2,2'-oxybis[1-chloropropane]		44	U	44	400
N-Nitrosodi-n-propylamine		6.6	U	6.6	40
Nitrobenzene		5.6	U	5.6	40
Hexachloroethane		4.4	U	4.4	40
Isophorone		48	U	48	400
2-Nitrophenol		44	U	44	400
2,4-Dimethylphenol		98	U	98	400
2,4-Dichlorophenol		58	U	58	400
Bis(2-chloroethoxy)methane		51	U	51	400
Naphthalene		46	U	46	400
4-Chloroaniline		100	U	100	400
Hexachlorobutadiene		9.7	U	9.7	80
Caprolactam		91	U	91	400
4-Chloro-3-methylphenol		60	U	60	400
2-Methylnaphthalene		51	U	51	400
Hexachlorobenzene		5.4	U	5.4	40
Hexachlorocyclopentadiene		47	U	47	400
2,4,6-Trichlorophenol		46	U	46	400
2,4,5-Trichlorophenol		51	U	51	400
Diphenyl		53	U	53	400
2-Chloronaphthalene		44	U	44	400
2-Nitroaniline		170	U	170	800
2,6-Dinitrotoluene		12	U	12	80
Dimethyl phthalate		47	U	47	400
Acenaphthylene		47	U	47	400
3-Nitroaniline		140	U	140	800
Acenaphthene		58	U	58	400
4-Nitrophenol		260	U	260	1200
2,4-Dinitrophenol		230	U	230	1200
Dibenzofuran		46	U	46	400
Diethyl phthalate		47	U	47	400
Fluorene		51	U	51	400
Fluoranthene		53	U	53	400
Di-n-butyl phthalate		49	U	49	400
2,4-Dinitrotoluene		13	U	13	80
4-Chlorophenyl phenyl ether		46	U	46	400
4-Nitroaniline		120	U	120	800
4,6-Dinitro-2-methylphenol		110	U	110	1200
4-Bromophenyl phenyl ether		39	U	39	400

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124326	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11935.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/16/2012 0001			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		61	U	61	400
Anthracene		48	U	48	400
Carbazole		47	U	47	400
Phenanthrene		130	J	50	400
Pentachlorophenol		120	U	120	1200
Pyrene		1300		33	400
Chrysene		46	U	46	400
Benzo[k]fluoranthene		3.0	U	3.0	40
Benzo[g,h,i]perylene		180	J	29	400
Benzo[b]fluoranthene		190		2.5	40
Benzo[a]pyrene		200		2.8	40
Benzo[a]anthracene		2.8	U	2.8	40
N-Nitrosodiphenylamine		39	U	39	400
Butyl benzyl phthalate		36	U	36	400
Bis(2-ethylhexyl) phthalate		130	U	130	400
Di-n-octyl phthalate		25	U	25	400
Indeno[1,2,3-cd]pyrene		200		7.4	40
Dibenz(a,h)anthracene		31	J	5.0	40
3,3'-Dichlorobenzidine		140	U	140	800
1,2,4,5-Tetrachlorobenzene		53	U	53	400
2,3,4,6-Tetrachlorophenol		51	U	51	400

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	76		38 - 105
Phenol-d5	76		41 - 118
Terphenyl-d14	64		16 - 151
2,4,6-Tribromophenol	71		10 - 120
2-Fluorophenol	71		37 - 125
2-Fluorobiphenyl	95		40 - 109

## Analytical Data

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

### 8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11884.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/15/2012 0440			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		45	U	45	340
2-Chlorophenol		45	U	45	340
2-Methylphenol		58	U	58	340
4-Methylphenol		67	U	67	340
Benzaldehyde		40	U	40	340
Acetophenone		52	U	52	340
Bis(2-chloroethyl)ether		4.6	U	4.6	34
2,2'-oxybis[1-chloropropane]		37	U	37	340
N-Nitrosodi-n-propylamine		5.7	U	5.7	34
Nitrobenzene		4.8	U	4.8	34
Hexachloroethane		3.8	U	3.8	34
Isophorone		41	U	41	340
2-Nitrophenol		38	U	38	340
2,4-Dimethylphenol		84	U	84	340
2,4-Dichlorophenol		50	U	50	340
Bis(2-chloroethoxy)methane		44	U	44	340
Naphthalene		39	U	39	340
4-Chloroaniline		90	U	90	340
Hexachlorobutadiene		8.3	U	8.3	69
Caprolactam		78	U	78	340
4-Chloro-3-methylphenol		51	U	51	340
2-Methylnaphthalene		44	U	44	340
Hexachlorobenzene		4.6	U	4.6	34
Hexachlorocyclopentadiene		40	U	40	340
2,4,6-Trichlorophenol		40	U	40	340
2,4,5-Trichlorophenol		44	U	44	340
Diphenyl		45	U	45	340
2-Chloronaphthalene		38	U	38	340
2-Nitroaniline		140	U	140	690
2,6-Dinitrotoluene		10	U	10	69
Dimethyl phthalate		40	U	40	340
Acenaphthylene		40	U	40	340
3-Nitroaniline		120	U	120	690
Acenaphthene		49	U	49	340
4-Nitrophenol		220	U	220	1000
2,4-Dinitrophenol		190	U	190	1000
Dibenzofuran		40	U	40	340
Diethyl phthalate		40	U	40	340
Fluorene		43	U	43	340
Fluoranthene		45	U	45	340
Di-n-butyl phthalate		42	U	42	340
2,4-Dinitrotoluene		11	U	11	69
4-Chlorophenyl phenyl ether		40	U	40	340
4-Nitroaniline		110	U	110	690
4,6-Dinitro-2-methylphenol		92	U	92	1000
4-Bromophenyl phenyl ether		34	U	34	340

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11884.d
Dilution:	1.0			Initial Weight/Volume:	15.02 g
Analysis Date:	08/15/2012 0440			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		52	U	52	340
Anthracene		41	U	41	340
Carbazole		40	U	40	340
Phenanthrene		43	U	43	340
Pentachlorophenol		100	U	100	1000
Pyrene		28	U	28	340
Chrysene		40	U	40	340
Benzo[k]fluoranthene		2.6	U	2.6	34
Benzo[g,h,i]perylene		25	U	25	340
Benzo[b]fluoranthene		2.1	U	2.1	34
Benzo[a]pyrene		2.4	U	2.4	34
Benzo[a]anthracene		2.4	U	2.4	34
N-Nitrosodiphenylamine		33	U	33	340
Butyl benzyl phthalate		31	U	31	340
Bis(2-ethylhexyl) phthalate		110	U	110	340
Di-n-octyl phthalate		22	U	22	340
Indeno[1,2,3-cd]pyrene		6.3	U	6.3	34
Dibenz(a,h)anthracene		4.3	U	4.3	34
3,3'-Dichlorobenzidine		120	U	120	690
1,2,4,5-Tetrachlorobenzene		46	U	46	340
2,3,4,6-Tetrachlorophenol		44	U	44	340

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	68		38 - 105
Phenol-d5	74		41 - 118
Terphenyl-d14	77		16 - 151
2,4,6-Tribromophenol	58		10 - 120
2-Fluorophenol	71		37 - 125
2-Fluorobiphenyl	73		40 - 109

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124326	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11932.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/15/2012 2259			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Phenol		55	U	55	410
2-Chlorophenol		54	U	54	410
2-Methylphenol		70	U	70	410
4-Methylphenol		81	U	81	410
Benzaldehyde		48	U	48	410
Acetophenone		63	U	63	410
Bis(2-chloroethyl)ether		1600		5.6	41
2,2'-oxybis[1-chloropropane]		46	U	46	410
N-Nitrosodi-n-propylamine		6.9	U	6.9	41
Nitrobenzene		5.8	U	5.8	41
Hexachloroethane		4.6	U	4.6	41
Isophorone		50	U	50	410
2-Nitrophenol		46	U	46	410
2,4-Dimethylphenol		100	U	100	410
2,4-Dichlorophenol		60	U	60	410
Bis(2-chloroethoxy)methane		53	U	53	410
Naphthalene		360	J	48	410
4-Chloroaniline		110	U	110	410
Hexachlorobutadiene		10	U	10	83
Caprolactam		95	U	95	410
4-Chloro-3-methylphenol		62	U	62	410
2-Methylnaphthalene		140	J	53	410
Hexachlorobenzene		5.6	U	5.6	41
Hexachlorocyclopentadiene		48	U	48	410
2,4,6-Trichlorophenol		48	U	48	410
2,4,5-Trichlorophenol		53	U	53	410
Diphenyl		77	J	55	410
2-Chloronaphthalene		46	U	46	410
2-Nitroaniline		170	U	170	830
2,6-Dinitrotoluene		12	U	12	83
Dimethyl phthalate		49	U	49	410
Acenaphthylene		52	J	49	410
3-Nitroaniline		150	U	150	830
Acenaphthene		250	J	60	410
4-Nitrophenol		260	U	260	1200
2,4-Dinitrophenol		230	U	230	1200
Dibenzofuran		310	J	48	410
Diethyl phthalate		49	U	49	410
Fluorene		320	J	53	410
Fluoranthene		3500		55	410
Di-n-butyl phthalate		51	U	51	410
2,4-Dinitrotoluene		14	U	14	83
4-Chlorophenyl phenyl ether		48	U	48	410
4-Nitroaniline		130	U	130	830
4,6-Dinitro-2-methylphenol		110	U	110	1200
4-Bromophenyl phenyl ether		41	U	41	410

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124326	Instrument ID:	BNAMS11
Prep Method:	3541	Prep Batch:	460-123428	Lab File ID:	z11932.d
Dilution:	1.0			Initial Weight/Volume:	15.00 g
Analysis Date:	08/15/2012 2259			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Atrazine		64	U	64	410
Anthracene		740		50	410
Carbazole		180	J	49	410
Phenanthrene		2600		52	410
Pentachlorophenol		120	U	120	1200
Pyrene		2700		34	410
Chrysene		1900		48	410
Benzo[k]fluoranthene		630		3.1	41
Benzo[g,h,i]perylene		1400		30	410
Benzo[b]fluoranthene		2300		2.6	41
Benzo[a]pyrene		1900		2.9	41
Benzo[a]anthracene		2100		2.9	41
N-Nitrosodiphenylamine		41	U	41	410
Butyl benzyl phthalate		38	U	38	410
Bis(2-ethylhexyl) phthalate		1000		140	410
Di-n-octyl phthalate		26	U	26	410
Indeno[1,2,3-cd]pyrene		1900		7.7	41
Dibenz(a,h)anthracene		340		5.2	41
3,3'-Dichlorobenzidine		140	U	140	830
1,2,4,5-Tetrachlorobenzene		55	U	55	410
2,3,4,6-Tetrachlorophenol		53	U	53	410

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	69		38 - 105
Phenol-d5	76		41 - 118
Terphenyl-d14	69		16 - 151
2,4,6-Tribromophenol	75		10 - 120
2-Fluorophenol	74		37 - 125
2-Fluorobiphenyl	83		40 - 109

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-123287	Lab File ID:	x29285.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	08/14/2012 1641			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	0.84	U	0.84	10
2-Chlorophenol	2.3	U	2.3	10
2-Methylphenol	1.9	U	1.9	10
4-Methylphenol	1.7	U	1.7	10
Benzaldehyde	2.1	U	2.1	10
Acetophenone	2.8	U	2.8	10
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
2,2'-oxybis[1-chloropropane]	2.1	U	2.1	10
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
Hexachloroethane	0.26	U	0.26	1.0
Isophorone	2.8	U	2.8	10
2-Nitrophenol	2.5	U	2.5	10
2,4-Dimethylphenol	3.5	U	3.5	10
2,4-Dichlorophenol	2.7	U	2.7	10
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
Naphthalene	2.8	U	2.8	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
Caprolactam	2.6	U	2.6	10
4-Chloro-3-methylphenol	2.6	U	2.6	10
2-Methylnaphthalene	3.1	U	3.1	10
Hexachlorobenzene	0.30	U	0.30	1.0
Hexachlorocyclopentadiene	1.8	U	1.8	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
2,4,5-Trichlorophenol	2.7	U	2.7	10
Diphenyl	2.9	U	2.9	10
2-Chloronaphthalene	2.8	U	2.8	10
2-Nitroaniline	5.1	U	5.1	21
2,6-Dinitrotoluene	0.64	U	0.64	2.1
Dimethyl phthalate	2.9	U	2.9	10
Acenaphthylene	2.8	U	2.8	10
3-Nitroaniline	5.2	U	5.2	21
Acenaphthene	2.8	U	2.8	10
4-Nitrophenol	7.0	U	7.0	31
2,4-Dinitrophenol	5.6	U	5.6	31
Dibenzofuran	2.9	U	2.9	10
Diethyl phthalate	3.0	U	3.0	10
Fluorene	2.9	U	2.9	10
Fluoranthene	3.3	U	3.3	10
Di-n-butyl phthalate	3.0	U	3.0	10
2,4-Dinitrotoluene	0.49	U	0.49	2.1
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
4-Nitroaniline	6.0	U	6.0	21
4,6-Dinitro-2-methylphenol	4.9	U	4.9	31
4-Bromophenyl phenyl ether	2.6	U	2.6	10

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

Client Sample ID: 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**8270C Semivolatile Organic Compounds (GC/MS)**

Analysis Method:	8270C	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-123287	Lab File ID:	x29285.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	08/14/2012 1641			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Atrazine	3.1	U	3.1	10
Anthracene	2.9	U	2.9	10
Carbazole	3.3	U	3.3	10
Phenanthrene	3.2	U	3.2	10
Pentachlorophenol	5.5	U	5.5	31
Pyrene	3.0	U	3.0	10
Chrysene	3.2	U	3.2	10
Benzo[k]fluoranthene	0.27	U	0.27	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10
Benzo[b]fluoranthene	0.27	U	0.27	1.0
Benzo[a]pyrene	0.15	U	0.15	1.0
Benzo[a]anthracene	0.28	U	0.28	1.0
N-Nitrosodiphenylamine	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.6	U	1.6	10
Indeno[1,2,3-cd]pyrene	0.16	U	0.16	1.0
Dibenz(a,h)anthracene	0.094	U	0.094	1.0
3,3'-Dichlorobenzidine	5.1	U	5.1	21
1,2,4,5-Tetrachlorobenzene	2.7	U	2.7	10
2,3,4,6-Tetrachlorophenol	2.6	U	2.6	10

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	91		56 - 112
Phenol-d5	28		10 - 48
Terphenyl-d14	103		50 - 122
2,4,6-Tribromophenol	104		46 - 122
2-Fluorophenol	43		10 - 65
2-Fluorobiphenyl	88		53 - 108

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123908	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 2233			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.5	U	1.5	7.0
alpha-BHC		1.3	U	1.3	7.0
beta-BHC		0.95	U	0.95	7.0
delta-BHC		1.1	U	1.1	7.0
gamma-BHC (Lindane)		0.81	U	0.81	7.0
Chlordane		15	U	15	70
4,4'-DDD		0.83	U	0.83	7.0
4,4'-DDE		1.4	U	1.4	7.0
4,4'-DDT		4.5	J p	0.87	7.0
Dieldrin		1.3	U	1.3	7.0
Endosulfan I		1.5	U	1.5	7.0
Endosulfan II		1.1	U	1.1	7.0
Endosulfan sulfate		0.90	U	0.90	7.0
Endrin		0.98	U	0.98	7.0
Endrin aldehyde		1.7	U	1.7	7.0
Endrin ketone		1.0	U	1.0	7.0
Heptachlor		1.0	U	1.0	7.0
Heptachlor epoxide		1.4	U	1.4	7.0
Methoxychlor		0.78	U	0.78	7.0
Toxaphene		15	U	15	70
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		107		40 - 150	
DCB Decachlorobiphenyl		109		53 - 150	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123908	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.04 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 2233			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		40 - 150
DCB Decachlorobiphenyl	107		53 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123908	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 2247			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.8	U	1.8	8.0
alpha-BHC		1.5	U	1.5	8.0
beta-BHC		1.1	U	1.1	8.0
delta-BHC		1.2	U	1.2	8.0
gamma-BHC (Lindane)		0.94	U	0.94	8.0
Chlordane		17	U	17	80
4,4'-DDD		0.96	U	0.96	8.0
4,4'-DDE		1.6	U	1.6	8.0
4,4'-DDT		1.0	U	1.0	8.0
Dieldrin		1.5	U	1.5	8.0
Endosulfan I		1.7	U	1.7	8.0
Endosulfan II		1.2	U	1.2	8.0
Endosulfan sulfate		1.0	U	1.0	8.0
Endrin		1.1	U	1.1	8.0
Endrin aldehyde		2.0	U	2.0	8.0
Endrin ketone		1.2	U	1.2	8.0
Heptachlor		1.2	U	1.2	8.0
Heptachlor epoxide		1.6	U	1.6	8.0
Methoxychlor		0.90	U	0.90	8.0
Toxaphene		17	U	17	80
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		82		40 - 150	
DCB Decachlorobiphenyl		100		53 - 150	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123908	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 2247			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	79		40 - 150
DCB Decachlorobiphenyl	98		53 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123908	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 2301			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.5	U	1.5	6.9
alpha-BHC		1.3	U	1.3	6.9
beta-BHC		0.93	U	0.93	6.9
delta-BHC		1.0	U	1.0	6.9
gamma-BHC (Lindane)		0.80	U	0.80	6.9
Chlordane		15	U	15	69
4,4'-DDD		0.82	U	0.82	6.9
4,4'-DDE		1.3	U	1.3	6.9
4,4'-DDT		0.86	U	0.86	6.9
Dieldrin		1.3	U	1.3	6.9
Endosulfan I		1.4	U	1.4	6.9
Endosulfan II		1.0	U	1.0	6.9
Endosulfan sulfate		0.88	U	0.88	6.9
Endrin		0.96	U	0.96	6.9
Endrin aldehyde		1.7	U	1.7	6.9
Endrin ketone		1.0	U	1.0	6.9
Heptachlor		0.98	U	0.98	6.9
Heptachlor epoxide		1.4	U	1.4	6.9
Methoxychlor		0.77	U	0.77	6.9
Toxaphene		14	U	14	69
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		108		40 - 150	
DCB Decachlorobiphenyl		117		53 - 150	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123908	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.00 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 2301			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		40 - 150
DCB Decachlorobiphenyl	101		53 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 0859			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Aldrin		1.8	U	1.8	8.3
alpha-BHC		1.5	U	1.5	8.3
beta-BHC		1.1	U	1.1	8.3
delta-BHC		1.3	U	1.3	8.3
gamma-BHC (Lindane)		0.97	U	0.97	8.3
Chlordane		18	U	18	83
4,4'-DDD		80		0.99	8.3
4,4'-DDE		26		1.6	8.3
4,4'-DDT		4.6	J	1.0	8.3
Dieldrin		1.6	U	1.6	8.3
Endosulfan I		1.7	U	1.7	8.3
Endosulfan II		1.3	U	1.3	8.3
Endosulfan sulfate		1.1	U	1.1	8.3
Endrin		1.2	U	1.2	8.3
Endrin aldehyde		2.1	U	2.1	8.3
Endrin ketone		1.2	U	1.2	8.3
Heptachlor		1.2	U	1.2	8.3
Heptachlor epoxide		1.7	U	1.7	8.3
Methoxychlor		0.93	U	0.93	8.3
Toxaphene		17	U	17	83
Surrogate		%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene		110		40 - 150	
DCB Decachlorobiphenyl		115		53 - 150	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Prep Method:	3541	Prep Batch:	460-123232	Initial Weight/Volume:	15.05 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/13/2012 0859			Injection Volume:	1 uL
Prep Date:	08/09/2012 0835			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	107		40 - 150
DCB Decachlorobiphenyl	108		53 - 150

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

Client Sample ID: 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Prep Method:	3510C	Prep Batch:	460-123243	Initial Weight/Volume:	830 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/16/2012 1505			Injection Volume:	
Prep Date:	08/09/2012 1008			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.012	U	0.012	0.060
alpha-BHC	0.012	U	0.012	0.060
beta-BHC	0.013	U	0.013	0.060
delta-BHC	0.011	U	0.011	0.060
gamma-BHC (Lindane)	0.014	U	0.014	0.060
Chlordane	0.40	U	0.40	0.60
4,4'-DDD	0.013	U	0.013	0.060
4,4'-DDE	0.011	U	0.011	0.060
4,4'-DDT	0.012	U	0.012	0.060
Dieldrin	0.0060	U	0.0060	0.060
Endosulfan I	0.011	U	0.011	0.060
Endosulfan II	0.012	U	0.012	0.060
Endosulfan sulfate	0.019	U	0.019	0.060
Endrin	0.012	U	0.012	0.060
Endrin aldehyde	0.011	U	0.011	0.060
Endrin ketone	0.013	U	0.013	0.060
Heptachlor	0.012	U	0.012	0.060
Heptachlor epoxide	0.012	U	0.012	0.060
Methoxychlor	0.016	U	0.016	0.060
Toxaphene	0.24	U	0.24	0.60
Surrogate	%Rec	Qualifier	Acceptance Limits	
Tetrachloro-m-xylene	115		49 - 132	
DCB Decachlorobiphenyl	69		37 - 144	

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**8081A Organochlorine Pesticides (GC)**

Analysis Method:	8081A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Prep Method:	3510C	Prep Batch:	460-123243	Initial Weight/Volume:	830 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/16/2012 1505			Injection Volume:	
Prep Date:	08/09/2012 1008			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	106		49 - 132
DCB Decachlorobiphenyl	66		37 - 144

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

% Moisture: 4.2

Date Received: 08/07/2012 1915

**6010B Metals (ICP)**

Analysis Method:	6010B	Analysis Batch:	460-124428	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/16/2012 2352			Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		9860		18.8	41.3
Antimony		1.3	U	1.3	2.1
Arsenic		5.2		0.97	1.0
Barium		116		1.2	41.3
Beryllium		0.98		0.15	0.41
Cadmium		0.15	U	0.15	1.0
Calcium		30200		73.2	1030
Chromium		37.4		0.89	2.1
Cobalt		13.2		0.88	10.3
Copper		28.4		2.0	5.2
Iron		28800		12.5	31.0
Lead		16.2		0.89	1.0
Magnesium		11800		74.4	1030
Manganese		623		0.91	3.1
Nickel		27.2		0.91	8.3
Potassium		3010		111	1030
Selenium		1.4	U	1.4	2.1
Silver		0.21	U	0.21	2.1
Sodium		398	J	163	1030
Thallium		1.2	U	1.2	2.1
Vanadium		46.1		0.79	10.3
Zinc		171		1.1	6.2

**7471A Mercury (CVAA)**

Analysis Method:	7471A	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2012 1948			Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.023	U	0.023	0.034

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

% Moisture: 16.6

Date Received: 08/07/2012 1915

**6010B Metals (ICP)**

Analysis Method:	6010B	Analysis Batch:	460-124428	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.01 g
Analysis Date:	08/16/2012 2356			Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2890		21.6	47.5
Antimony		1.5	U	1.5	2.4
Arsenic		36.9		1.1	1.2
Barium		49.3		1.4	47.5
Beryllium		0.17	U	0.17	0.47
Cadmium		0.50	J	0.18	1.2
Calcium		1460		84.1	1190
Chromium		33.6		1.0	2.4
Cobalt		2.3	J	1.0	11.9
Copper		23.0		2.3	5.9
Iron		31100		14.4	35.6
Lead		240		1.0	1.2
Magnesium		708	J	85.5	1190
Manganese		49.6		1.0	3.6
Nickel		5.7	J	1.0	9.5
Potassium		528	J	127	1190
Selenium		1.7	J	1.6	2.4
Silver		0.24	U	0.24	2.4
Sodium		827	J	188	1190
Thallium		1.3	U	1.3	2.4
Vanadium		20.0		0.91	11.9
Zinc		238		1.3	7.1

**7471A Mercury (CVAA)**

Analysis Method:	7471A	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.67 g
Analysis Date:	08/16/2012 1950			Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.025	J	0.024	0.035

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

% Moisture: 2.5

Date Received: 08/07/2012 1915

**6010B Metals (ICP)**

Analysis Method:	6010B	Analysis Batch:	460-124428	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.10 g
Analysis Date:	08/17/2012 0000			Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8290		17.0	37.3
Antimony		1.2	U	1.2	1.9
Arsenic		5.7		0.88	0.93
Barium		104		1.1	37.3
Beryllium		0.76		0.13	0.37
Cadmium		0.14	U	0.14	0.93
Calcium		26100		66.0	932
Chromium		29.8		0.80	1.9
Cobalt		9.9		0.79	9.3
Copper		26.0		1.8	4.7
Iron		24800		11.3	28.0
Lead		16.0		0.80	0.93
Magnesium		9730		67.1	932
Manganese		505		0.82	2.8
Nickel		21.8		0.82	7.5
Potassium		2560		99.8	932
Selenium		1.2	U	1.2	1.9
Silver		0.19	U	0.19	1.9
Sodium		244	J	147	932
Thallium		1.1	U	1.1	1.9
Vanadium		37.3		0.72	9.3
Zinc		100		1.0	5.6

**7471A Mercury (CVAA)**

Analysis Method:	7471A	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.64 g
Analysis Date:	08/16/2012 1952			Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.021	U	0.021	0.032

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

% Moisture: 19.6

Date Received: 08/07/2012 1915

**6010B Metals (ICP)**

Analysis Method:	6010B	Analysis Batch:	460-124428	Instrument ID:	ICP4
Prep Method:	3050B	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0			Initial Weight/Volume:	1.13 g
Analysis Date:	08/17/2012 0003			Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		1460		20.0	44.0
Antimony		1.4	U	1.4	2.2
Arsenic		21.3		1.0	1.1
Barium		114		1.3	44.0
Beryllium		0.16	U	0.16	0.44
Cadmium		0.16	U	0.16	1.1
Calcium		922	J	77.9	1100
Chromium		6.5		0.95	2.2
Cobalt		3.8	J	0.94	11.0
Copper		96.2		2.1	5.5
Iron		22900		13.3	33.0
Lead		3220		0.95	1.1
Magnesium		133	J	79.3	1100
Manganese		24.4		0.97	3.3
Nickel		9.5		0.97	8.8
Potassium		853	J	118	1100
Selenium		3.3		1.5	2.2
Silver		0.22	U	0.22	2.2
Sodium		174	U	174	1100
Thallium		1.2	U	1.2	2.2
Vanadium		7.3	J	0.85	11.0
Zinc		71.6		1.2	6.6

**7471A Mercury (CVAA)**

Analysis Method:	7471A	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Prep Method:	7471A	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	0.62 g
Analysis Date:	08/16/2012 1954			Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.89		0.026	0.040

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**Client Sample ID:** 20120807EB

Lab Sample ID: 460-43235-5

Date Sampled: 08/07/2012 1215

Client Matrix: Water

Date Received: 08/07/2012 1915

**6010B Metals (ICP)**

Analysis Method:	6010B	Analysis Batch:	460-123318	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1516			Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	J	3.7	5.0
Barium	5.9	U	5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	305	U	305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	73.6	U	73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	321	U	321	5000
Manganese	4.3	U	4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	525	U	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	821	U	821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	5.8	U	5.8	30.0

**7470A Mercury (CVAA)**

Analysis Method:	7470A	Analysis Batch:	460-123522	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	460-123474	Lab File ID:	123474hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/10/2012 1439			Final Weight/Volume:	30 mL
Prep Date:	08/10/2012 1115				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.16	U	0.16	0.20

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**General Chemistry****Client Sample ID:** 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Date Sampled: 08/07/2012 0850

Client Matrix: Solid

Date Received: 08/07/2012 1915

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.2		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N
Percent Solids	95.8		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**General Chemistry**

Client Sample ID: 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Date Sampled: 08/07/2012 0925

Client Matrix: Solid

Date Received: 08/07/2012 1915

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N
Percent Solids	83.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**General Chemistry**

Client Sample ID: 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Date Sampled: 08/07/2012 0945

Client Matrix: Solid

Date Received: 08/07/2012 1915

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	2.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N
Percent Solids	97.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N

**Analytical Data**

Client: URS Corporation

Job Number: 460-43235-1

**General Chemistry**

Client Sample ID: 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Date Sampled: 08/07/2012 1040

Client Matrix: Solid

Date Received: 08/07/2012 1915

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N
Percent Solids	80.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-123113		Analysis Date: 08/08/2012 1245				DryWt Corrected: N

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Surrogate Recovery Report****8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-43235-1	20120807SB-437V0-2 N	96	98	98
460-43235-2	20120807SB-438V5-6 N	97	100	112
460-43235-3	20120807SB-436V0-2 N	93	97	98
460-43235-4	20120807SB-435V0-2 N	96	103	104
MB 460-123595/5		92	98	102
LCS 460-123595/3		94	98	99
LCSD 460-123595/4		88	98	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Surrogate Recovery Report****8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-43235-5	20120807EB	104	100	100
460-43235-6	20120807TB	102	101	99
MB 460-124070/4		99	102	100
LCS 460-124070/3		100	101	100
460-43296-D-1 MS		104	101	100
460-43296-D-1 MSD		101	100	101

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = Bromofluorobenzene	70-130

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Surrogate Recovery Report****8270C Semivolatile Organic Compounds (GC/MS)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-43235-1	20120807SB-437V0-2 N	76	75	79	84	51	77
460-43235-2	20120807SB-438V5-6 N	71	76	76	95	71	64
460-43235-3	20120807SB-436V0-2 N	71	74	68	73	58	77
460-43235-4	20120807SB-435V0-2 N	74	76	69	83	75	69
MB 460-123428/1-A		73	74	73	75	64	74
LCS 460-123428/2-A		63	61	63	68	67	62
460-43228-A-4-A MS		66	63	67	75	54	60
460-43228-A-4-B MSD		66	63	66	74	55	61

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	37-125
PHL = Phenol-d5	41-118
NBZ = Nitrobenzene-d5	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol	10-120
TPH = Terphenyl-d14	16-151

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Surrogate Recovery Report****8270C Semivolatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
460-43235-5	20120807EB	43	28	91	88	104	103
MB 460-123287/1-A		50	31	96	93	105	108
LCS 460-123287/2-A		48	30	92	91	103	98
460-43236-N-9-A MS		44	25	115X	94	107	82
460-43236-M-9-A MSD		45	26	114X	96	104	80

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Surrogate Recovery Report****8081A Organochlorine Pesticides (GC)****Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-43235-1	20120807SB-437V0-2 N	107	107	109	107
460-43235-2	20120807SB-438V5-6 N	82	79	100	98
460-43235-3	20120807SB-436V0-2 N	107	108	117	101
460-43235-4	20120807SB-435V0-2 N	110	107	115	108
MB 460-123232/1-A		105	106	110	103
LCS 460-123232/2-A		112	110	112	104
460-43235-4 MS	20120807SB-435V0-2 N MS	114	109	114	105
460-43235-4 MSD	20120807SB-435V0-2 N MSD	117	113	118	107

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	40-150
DCB = DCB Decachlorobiphenyl	53-150

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Surrogate Recovery Report****8081A Organochlorine Pesticides (GC)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-43235-5	20120807EB	106	115	69	66
MB 460-123243/1-A		96	104	85	82
LCS 460-123243/2-A		98	102	86	83
LCSD 460-123243/3-A		101	107	72	69

**Surrogate**

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

**Acceptance Limits**

49-132

37-144

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123595**

**Method: 8260B**

**Preparation: N/A**

Lab Sample ID:	MB 460-123595/5	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o63298.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/11/2012 0010	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	0.16	U	0.16	1.0
Bromomethane	0.43	U	0.43	1.0
Vinyl chloride	0.34	U	0.34	1.0
Chloroethane	0.33	U	0.33	1.0
Methylene Chloride	0.15	U	0.15	1.0
Acetone	2.40	J	1.7	10
Carbon disulfide	0.15	U	0.15	1.0
Trichlorofluoromethane	0.254	J	0.16	1.0
1,1-Dichloroethene	0.19	U	0.19	1.0
1,1-Dichloroethane	0.11	U	0.11	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.11	U	0.11	1.0
Chloroform	0.24	U	0.24	1.0
2-Butanone	0.63	U	0.63	10
1,2-Dichloroethane	0.18	U	0.18	1.0
1,1,1-Trichloroethane	0.13	U	0.13	1.0
Carbon tetrachloride	0.15	U	0.15	1.0
Benzene	0.15	U	0.15	1.0
Bromoform	0.17	U	0.17	1.0
Styrene	0.28	U	0.28	1.0
m&p-Xylene	0.59	U	0.59	2.0
o-Xylene	0.19	U	0.19	1.0
Ethylbenzene	0.17	U	0.17	1.0
Chlorobenzene	0.18	U	0.18	1.0
Cyclohexane	0.13	U	0.13	1.0
Isopropylbenzene	0.11	U	0.11	1.0
2-Hexanone	0.13	U	0.13	10
MTBE	0.11	U	0.11	1.0
Freon TF	0.11	U	0.11	1.0
Methyl acetate	0.32	U	0.32	1.0
1,4-Dioxane	13	U	13	50
Trichloroethene	0.12	U	0.12	1.0
Toluene	0.14	U	0.14	1.0
trans-1,3-Dichloropropene	0.10	U	0.10	1.0
4-Methyl-2-pentanone	0.20	U	0.20	10
cis-1,3-Dichloropropene	0.14	U	0.14	1.0
1,2-Dichlorobenzene	0.10	U	0.10	1.0
1,3-Dichlorobenzene	0.16	U	0.16	1.0
1,4-Dichlorobenzene	0.11	U	0.11	1.0
1,2,4-Trichlorobenzene	0.19	U	0.19	1.0
1,2,3-Trichlorobenzene	0.16	U	0.16	1.0
1,2-Dichloropropane	0.15	U	0.15	1.0
Methylcyclohexane	0.10	U	0.10	1.0
Tetrachloroethene	0.12	U	0.12	1.0
1,2-Dibromo-3-Chloropropane	0.44	U	0.44	1.0

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123595**

**Method: 8260B**

**Preparation: N/A**

Lab Sample ID:	MB 460-123595/5	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o63298.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/11/2012 0010	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	0.090	U	0.090	1.0
1,1,2-Trichloroethane	0.14	U	0.14	1.0
Dibromochloromethane	0.10	U	0.10	1.0
1,2-Dibromoethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Bromochloromethane	0.11	U	0.11	1.0
Bromodichloromethane	0.32	U	0.32	1.0
Surrogate	% Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	92	70 - 130		
Toluene-d8 (Surr)	98	70 - 130		
Bromofluorobenzene	102	70 - 130		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample/  
Lab Control Sample Duplicate Recovery Report - Batch: 460-123595**

**Method: 8260B  
Preparation: N/A**

LCS Lab Sample ID:	LCS 460-123595/3	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o63294.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 2138	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

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LCSD Lab Sample ID:	LCSD 460-123595/4	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o63295.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 2243	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.						
	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloromethane	87	97	50 - 151	11	30		
Bromomethane	97	104	54 - 142	6	30		
Vinyl chloride	96	105	67 - 133	9	30		
Chloroethane	118	119	56 - 146	1	30		
Methylene Chloride	116	104	74 - 137	11	30		
Acetone	117	117	27 - 164	0	30		
Carbon disulfide	71	78	72 - 128	9	30	*	
Trichlorofluoromethane	95	109	61 - 139	13	30		
1,1-Dichloroethene	96	97	71 - 126	1	30		
1,1-Dichloroethane	102	97	76 - 125	4	30		
trans-1,2-Dichloroethene	100	96	75 - 122	4	30		
cis-1,2-Dichloroethene	103	99	80 - 120	3	30		
Chloroform	103	97	77 - 120	6	30		
2-Butanone	116	112	77 - 117	4	30		
1,2-Dichloroethane	101	95	76 - 118	6	30		
1,1,1-Trichloroethane	101	98	78 - 117	3	30		
Carbon tetrachloride	100	96	79 - 118	4	30		
Benzene	106	103	77 - 117	3	30		
Bromoform	97	91	59 - 125	7	30		
Styrene	106	104	82 - 122	2	30		
m&p-Xylene	105	104	81 - 121	1	30		
o-Xylene	103	102	82 - 122	1	30		
Ethylbenzene	104	100	81 - 121	4	30		
Chlorobenzene	104	101	80 - 120	3	30		
Cyclohexane	86	98	80 - 121	13	30		
Isopropylbenzene	103	102	65 - 129	1	30		
2-Hexanone	104	118	70 - 122	13	30		
MTBE	101	115	78 - 120	12	30		
Freon TF	88	105	73 - 123	17	30		
Methyl acetate	115	130	73 - 137	12	30		
1,4-Dioxane	109	89	69 - 131	20	30		
Trichloroethene	104	106	79 - 119	3	30		
Toluene	102	101	75 - 115	1	30		
trans-1,3-Dichloropropene	91	93	67 - 121	2	30		
4-Methyl-2-pentanone	109	116	68 - 120	6	30		
cis-1,3-Dichloropropene	112	108	80 - 123	3	30		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample/  
Lab Control Sample Duplicate Recovery Report - Batch: 460-123595**

**Method: 8260B  
Preparation: N/A**

LCS Lab Sample ID:	LCS 460-123595/3	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o63294.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 2138	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-123595/4	Analysis Batch:	460-123595	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o63295.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/10/2012 2243	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD				
1,2-Dichlorobenzene	102	101	80 - 120	1	30	
1,3-Dichlorobenzene	101	103	80 - 120	2	30	
1,4-Dichlorobenzene	104	103	80 - 120	1	30	
1,2,4-Trichlorobenzene	103	104	80 - 120	0	30	
1,2,3-Trichlorobenzene	107	104	75 - 121	2	30	
1,2-Dichloropropane	109	105	82 - 122	4	30	
Methylcyclohexane	87	108	78 - 118	21	30	
Tetrachloroethene	100	103	80 - 120	2	30	
1,2-Dibromo-3-Chloropropane	121	114	74 - 118	6	30	*
1,1,2,2-Tetrachloroethane	108	107	79 - 122	1	30	
1,1,2-Trichloroethane	108	104	73 - 118	4	30	
Dibromochloromethane	107	105	68 - 120	2	30	
1,2-Dibromoethane	110	104	75 - 117	5	30	
Dichlorodifluoromethane	82	96	52 - 144	15	30	
Bromochloromethane	101	94	74 - 125	7	30	
Bromodichloromethane	106	100	79 - 119	6	30	
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	94		88		70 - 130	
Toluene-d8 (Surr)	98		98		70 - 130	
Bromofluorobenzene	99		101		70 - 130	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-123595**

**Method: 8260B  
Preparation: N/A**

LCS Lab Sample ID:	LCS 460-123595/3	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 460-123595/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/10/2012 2138			Analysis Date:	08/10/2012 2243
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Chloromethane	20.0	20.0	17.3	19.4
Bromomethane	20.0	20.0	19.5	20.7
Vinyl chloride	20.0	20.0	19.2	20.9
Chloroethane	20.0	20.0	23.6	23.8
Methylene Chloride	20.0	20.0	23.2	20.9
Acetone	20.0	20.0	23.4	23.4
Carbon disulfide	20.0	20.0	14.2 *	15.5
Trichlorofluoromethane	20.0	20.0	19.1	21.7
1,1-Dichloroethene	20.0	20.0	19.2	19.4
1,1-Dichloroethane	20.0	20.0	20.3	19.5
trans-1,2-Dichloroethene	20.0	20.0	20.0	19.2
cis-1,2-Dichloroethene	20.0	20.0	20.6	19.9
Chloroform	20.0	20.0	20.6	19.5
2-Butanone	20.0	20.0	23.2	22.4
1,2-Dichloroethane	20.0	20.0	20.3	19.0
1,1,1-Trichloroethane	20.0	20.0	20.1	19.6
Carbon tetrachloride	20.0	20.0	19.9	19.1
Benzene	20.0	20.0	21.2	20.6
Bromoform	20.0	20.0	19.5	18.1
Styrene	20.0	20.0	21.3	20.8
m&p-Xylene	40.0	40.0	42.0	41.7
o-Xylene	20.0	20.0	20.6	20.3
Ethylbenzene	20.0	20.0	20.8	20.0
Chlorobenzene	20.0	20.0	20.8	20.1
Cyclohexane	20.0	20.0	17.1	19.5
Isopropylbenzene	20.0	20.0	20.6	20.4
2-Hexanone	20.0	20.0	20.7	23.6
MTBE	20.0	20.0	20.3	22.9
Freon TF	20.0	20.0	17.6	21.0
Methyl acetate	20.0	20.0	23.0	26.0
1,4-Dioxane	150	150	164	134
Trichloroethene	20.0	20.0	20.7	21.3
Toluene	20.0	20.0	20.5	20.2
trans-1,3-Dichloropropene	20.0	20.0	18.3	18.7
4-Methyl-2-pentanone	20.0	20.0	21.9	23.3
cis-1,3-Dichloropropene	20.0	20.0	22.3	21.7
1,2-Dichlorobenzene	20.0	20.0	20.4	20.3
1,3-Dichlorobenzene	20.0	20.0	20.2	20.6
1,4-Dichlorobenzene	20.0	20.0	20.7	20.6

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-123595**

**Method: 8260B  
Preparation: N/A**

LCS Lab Sample ID:	LCS 460-123595/3	Units:	ug/Kg	LCSD Lab Sample ID:	LCSD 460-123595/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/10/2012 2138			Analysis Date:	08/10/2012 2243
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,2,4-Trichlorobenzene	20.0	20.0	20.7	20.8
1,2,3-Trichlorobenzene	20.0	20.0	21.4	20.8
1,2-Dichloropropane	20.0	20.0	21.8	20.9
Methylcyclohexane	20.0	20.0	17.4	21.5
Tetrachloroethene	20.0	20.0	20.1	20.5
1,2-Dibromo-3-Chloropropane	20.0	20.0	24.2 *	22.9
1,1,2,2-Tetrachloroethane	20.0	20.0	21.6	21.3
1,1,2-Trichloroethane	20.0	20.0	21.7	20.8
Dibromochloromethane	20.0	20.0	21.4	21.1
1,2-Dibromoethane	20.0	20.0	21.9	20.8
Dichlorodifluoromethane	20.0	20.0	16.5	19.1
Bromochloromethane	20.0	20.0	20.2	18.8
Bromodichloromethane	20.0	20.0	21.2	19.9

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-124070****Method: 8260B****Preparation: 5030B**

Lab Sample ID:	MB 460-124070/4	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c69979.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/14/2012 2044	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/14/2012 2044				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chloromethane	0.10	U	0.10	1.0
Bromomethane	0.18	U	0.18	1.0
Vinyl chloride	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
Methylene Chloride	0.18	U	0.18	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
Chloroform	0.080	U	0.080	1.0
2-Butanone	2.3	U	2.3	5.0
1,2-Dichloroethane	0.19	U	0.19	1.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Benzene	0.080	U	0.080	1.0
Bromoform	0.19	U	0.19	1.0
Styrene	0.12	U	0.12	1.0
m&p-Xylene	0.25	U	0.25	2.0
o-Xylene	0.13	U	0.13	1.0
Ethylbenzene	0.10	U	0.10	1.0
Chlorobenzene	0.11	U	0.11	1.0
Cyclohexane	0.16	U	0.16	1.0
Isopropylbenzene	0.080	U	0.080	1.0
2-Hexanone	0.50	U	0.50	5.0
MTBE	0.14	U	0.14	1.0
Freon TF	0.080	U	0.080	1.0
Methyl acetate	0.34	U	0.34	2.0
1,4-Dioxane	36	U	36	50
Trichloroethene	0.090	U	0.090	1.0
Toluene	0.15	U	0.15	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
1,2-Dichlorobenzene	0.21	U	0.21	1.0
1,3-Dichlorobenzene	0.14	U	0.14	1.0
1,4-Dichlorobenzene	0.23	U	0.23	1.0
1,2,4-Trichlorobenzene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.51	U	0.51	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
Methylcyclohexane	0.14	U	0.14	1.0
Tetrachloroethene	0.10	U	0.10	1.0
1,2-Dibromo-3-Chloropropane	0.40	U	0.40	1.0

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-124070**

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID:	MB 460-124070/4	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c69979.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/14/2012 2044	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/14/2012 2044				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,2-Dibromoethane	0.28	U	0.28	1.0
Dichlorodifluoromethane	0.22	U	0.22	1.0
Bromochloromethane	0.27	U	0.27	1.0
Bromodichloromethane	0.12	U	0.12	1.0
Surrogate	% Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	99	70 - 130		
Toluene-d8 (Surr)	102	70 - 130		
Bromofluorobenzene	100	70 - 130		

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample - Batch: 460-124070****Method: 8260B****Preparation: 5030B**

Lab Sample ID:	LCS 460-124070/3	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c69976.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/14/2012 1848	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/14/2012 1848				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	16.9	85	58 - 146	
Bromomethane	20.0	21.8	109	55 - 153	
Vinyl chloride	20.0	17.4	87	61 - 144	
Chloroethane	20.0	19.3	96	69 - 145	
Methylene Chloride	20.0	21.0	105	79 - 119	
Acetone	20.0	24.1	121	45 - 156	
Carbon disulfide	20.0	15.9	80	58 - 139	
Trichlorofluoromethane	20.0	16.6	83	69 - 147	
1,1-Dichloroethene	20.0	19.6	98	56 - 139	
1,1-Dichloroethane	20.0	20.0	100	78 - 122	
trans-1,2-Dichloroethene	20.0	19.5	98	75 - 122	
cis-1,2-Dichloroethene	20.0	20.6	103	80 - 120	
Chloroform	20.0	20.1	100	82 - 123	
2-Butanone	20.0	19.2	96	65 - 114	
1,2-Dichloroethane	20.0	18.6	93	74 - 118	
1,1,1-Trichloroethane	20.0	20.0	100	74 - 128	
Carbon tetrachloride	20.0	18.8	94	73 - 120	
Benzene	20.0	20.1	101	83 - 124	
Bromoform	20.0	19.3	96	73 - 123	
Styrene	20.0	20.8	104	69 - 112	
m&p-Xylene	40.0	39.5	99	76 - 120	
o-Xylene	20.0	20.4	102	78 - 118	
Ethylbenzene	20.0	21.0	105	79 - 126	
Chlorobenzene	20.0	19.7	99	81 - 121	
Cyclohexane	20.0	14.8	74	58 - 133	
Isopropylbenzene	20.0	20.5	103	80 - 125	
2-Hexanone	20.0	20.3	102	53 - 121	
MTBE	20.0	19.7	98	71 - 115	
Freon TF	20.0	16.5	83	47 - 139	
Methyl acetate	20.0	19.7	99	50 - 151	
1,4-Dioxane	150	145	97	52 - 126	
Trichloroethene	20.0	19.0	95	78 - 119	
Toluene	20.0	19.9	99	80 - 120	
trans-1,3-Dichloropropene	20.0	19.2	96	78 - 118	
4-Methyl-2-pentanone	20.0	20.3	102	53 - 120	
cis-1,3-Dichloropropene	20.0	19.7	99	80 - 120	
1,2-Dichlorobenzene	20.0	20.1	101	82 - 122	
1,3-Dichlorobenzene	20.0	21.0	105	81 - 126	
1,4-Dichlorobenzene	20.0	19.7	98	83 - 123	
1,2,4-Trichlorobenzene	20.0	19.2	96	66 - 120	
1,2,3-Trichlorobenzene	20.0	22.4	112	76 - 123	
1,2-Dichloropropane	20.0	20.3	102	80 - 120	
Methylcyclohexane	20.0	13.9	69	61 - 129	
Tetrachloroethene	20.0	19.3	96	68 - 139	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	70 - 116	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	74 - 126	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Lab Control Sample - Batch: 460-124070

**Method: 8260B**

**Preparation: 5030B**

Lab Sample ID:	LCS 460-124070/3	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c69976.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/14/2012 1848	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/14/2012 1848				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,2-Trichloroethane	20.0	20.1	101	79 - 119	
Dibromochloromethane	20.0	19.7	98	80 - 120	
1,2-Dibromoethane	20.0	19.7	99	78 - 118	
Dichlorodifluoromethane	20.0	15.2	76	46 - 145	
Bromochloromethane	20.0	18.6	93	80 - 121	
Bromodichloromethane	20.0	19.5	98	79 - 119	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		100		70 - 130	
Toluene-d8 (Surr)		101		70 - 130	
Bromofluorobenzene		100		70 - 130	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-124070**

**Method: 8260B  
Preparation: 5030B**

MS Lab Sample ID:	460-43296-D-1 MS	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c69999.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2012 0439			Final Weight/Volume:	5 mL
Prep Date:	08/15/2012 0439				
Leach Date:	N/A				

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MSD Lab Sample ID:	460-43296-D-1 MSD	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c70000.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2012 0503			Final Weight/Volume:	5 mL
Prep Date:	08/15/2012 0503				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloromethane	96	105	58 - 146	10	30		
Bromomethane	127	143	55 - 153	12	30		
Vinyl chloride	99	114	61 - 144	14	30		
Chloroethane	93	107	69 - 145	14	30		
Methylene Chloride	100	104	79 - 119	4	30		
Acetone	98	113	45 - 156	13	30		
Carbon disulfide	68	74	58 - 139	8	30		
Trichlorofluoromethane	106	113	69 - 147	7	30		
1,1-Dichloroethene	96	105	56 - 139	9	30		
1,1-Dichloroethane	92	99	78 - 122	7	30		
trans-1,2-Dichloroethene	85	92	75 - 122	8	30		
cis-1,2-Dichloroethene	95	103	80 - 120	8	30		
Chloroform	100	108	82 - 123	8	30		
2-Butanone	91	87	65 - 114	4	30		
1,2-Dichloroethane	91	97	74 - 118	6	30		
1,1,1-Trichloroethane	99	103	74 - 128	5	30		
Carbon tetrachloride	97	101	73 - 120	5	30		
Benzene	91	97	83 - 124	6	30		
Bromoform	90	94	73 - 123	4	30		
Styrene	96	101	69 - 112	5	30		
m&p-Xylene	96	97	76 - 120	1	30		
o-Xylene	97	99	78 - 118	2	30		
Ethylbenzene	100	105	79 - 126	5	30		
Chlorobenzene	96	99	81 - 121	3	30		
Cyclohexane	82	86	58 - 133	5	30		
Isopropylbenzene	99	105	80 - 125	6	30		
2-Hexanone	89	93	53 - 121	4	30		
MTBE	90	98	71 - 115	9	30		
Freon TF	95	104	47 - 139	8	30		
Methyl acetate	78	83	50 - 151	7	30		
1,4-Dioxane	76	91	52 - 126	18	30		
Trichloroethene	89	99	78 - 119	11	30		
Toluene	94	96	80 - 120	2	30		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-124070**

**Method: 8260B  
Preparation: 5030B**

MS Lab Sample ID:	460-43296-D-1 MS	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c69999.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2012 0439			Final Weight/Volume:	5 mL
Prep Date:	08/15/2012 0439				
Leach Date:	N/A				

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MSD Lab Sample ID:	460-43296-D-1 MSD	Analysis Batch:	460-124070	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c70000.d
Dilution:	10	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	08/15/2012 0503			Final Weight/Volume:	5 mL
Prep Date:	08/15/2012 0503				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
trans-1,3-Dichloropropene	87	93	78 - 118	6	30		
4-Methyl-2-pentanone	96	100	53 - 120	5	30		
cis-1,3-Dichloropropene	94	96	80 - 120	2	30		
1,2-Dichlorobenzene	92	104	82 - 122	11	30		
1,3-Dichlorobenzene	97	105	81 - 126	8	30		
1,4-Dichlorobenzene	96	101	83 - 123	4	30		
1,2,4-Trichlorobenzene	91	103	66 - 120	13	30		
1,2,3-Trichlorobenzene	92	112	76 - 123	19	30		
1,2-Dichloropropane	96	101	80 - 120	5	30		
Methylcyclohexane	84	91	61 - 129	7	30		
Tetrachloroethene	93	96	68 - 139	2	30		
1,2-Dibromo-3-Chloropropane	89	95	70 - 116	7	30		
1,1,2,2-Tetrachloroethane	97	104	74 - 126	7	30		
1,1,2-Trichloroethane	95	101	79 - 119	6	30		
Dibromochloromethane	93	100	80 - 120	7	30		
1,2-Dibromoethane	89	93	78 - 118	4	30		
Dichlorodifluoromethane	102	111	46 - 145	9	30		
Bromochloromethane	88	91	80 - 121	3	30		
Bromodichloromethane	97	100	79 - 119	3	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	104		101		70 - 130		
Toluene-d8 (Surr)	101		100		70 - 130		
Bromofluorobenzene	100		101		70 - 130		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-124070**

**Method: 8260B  
Preparation: 5030B**

MS Lab Sample ID: 460-43296-D-1 MS  
Client Matrix: Water  
Dilution: 10  
Analysis Date: 08/15/2012 0439  
Prep Date: 08/15/2012 0439  
Leach Date: N/A

Units: ug/L

MSD Lab Sample ID: 460-43296-D-1 MSD  
Client Matrix: Water  
Dilution: 10  
Analysis Date: 08/15/2012 0503  
Prep Date: 08/15/2012 0503  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chloromethane	0.10 U	200	200	191	210
Bromomethane	0.18 U	200	200	254	286
Vinyl chloride	0.14 U	200	200	199	228
Chloroethane	0.17 U	200	200	187	214
Methylene Chloride	0.18 U	200	200	199	208
Acetone	12	200	200	208	237
Carbon disulfide	4.1	200	200	139	151
Trichlorofluoromethane	0.15 U	200	200	211	226
1,1-Dichloroethene	0.090 U	200	200	192	210
1,1-Dichloroethane	0.13 U	200	200	185	198
trans-1,2-Dichloroethene	0.13 U	200	200	170	184
cis-1,2-Dichloroethene	0.18 U	200	200	190	205
Chloroform	0.080 U	200	200	200	217
2-Butanone	2.3 U	200	200	183	175
1,2-Dichloroethane	0.19 U	200	200	183	195
1,1,1-Trichloroethane	0.060 U	200	200	197	207
Carbon tetrachloride	0.060 U	200	200	193	203
Benzene	0.080 U	200	200	183	194
Bromoform	0.19 U	200	200	181	189
Styrene	0.12 U	200	200	193	203
m&p-Xylene	0.25 U	400	400	382	387
o-Xylene	0.13 U	200	200	193	198
Ethylbenzene	0.10 U	200	200	200	210
Chlorobenzene	0.11 U	200	200	192	199
Cyclohexane	0.16 U	200	200	164	173
Isopropylbenzene	0.080 U	200	200	198	211
2-Hexanone	0.50 U	200	200	179	186
MTBE	0.14 U	200	200	179	197
Freon TF	0.080 U	200	200	190	207
Methyl acetate	0.34 U	200	200	156	167
1,4-Dioxane	36 U	1500	1500	1140	1370
Trichloroethene	0.090 U	200	200	178	199
Toluene	0.15 U	200	200	189	192
trans-1,3-Dichloropropene	0.24 U	200	200	175	186
4-Methyl-2-pentanone	0.99 U	200	200	192	201
cis-1,3-Dichloropropene	0.18 U	200	200	187	192
1,2-Dichlorobenzene	0.21 U	200	200	185	207
1,3-Dichlorobenzene	0.14 U	200	200	194	210
1,4-Dichlorobenzene	0.23 U	200	200	193	201
1,2,4-Trichlorobenzene	0.34 U	200	200	182	207
1,2,3-Trichlorobenzene	0.51 U	200	200	185	224
1,2-Dichloropropane	0.090 U	200	200	192	202
Methylcyclohexane	0.14 U	200	200	169	182

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-124070**

**Method: 8260B  
Preparation: 5030B**

MS Lab Sample ID:	460-43296-D-1 MS	Units:	ug/L	MSD Lab Sample ID:	460-43296-D-1 MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	10			Dilution:	10
Analysis Date:	08/15/2012 0439			Analysis Date:	08/15/2012 0503
Prep Date:	08/15/2012 0439			Prep Date:	08/15/2012 0503
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Tetrachloroethene	0.10 U	200	200	187	191
1,2-Dibromo-3-Chloropropane	0.40 U	200	200	178	191
1,1,2,2-Tetrachloroethane	0.16 U	200	200	194	208
1,1,2-Trichloroethane	0.19 U	200	200	190	201
Dibromochloromethane	0.20 U	200	200	187	200
1,2-Dibromoethane	0.28 U	200	200	179	187
Dichlorodifluoromethane	0.22 U	200	200	204	222
Bromochloromethane	0.27 U	200	200	177	182
Bromodichloromethane	0.12 U	200	200	194	201

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123287**

**Method: 8270C**

**Preparation: 3510C**

Lab Sample ID:	MB 460-123287/1-A	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29281.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1513	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	0.81	U	0.81	10
2-Chlorophenol	2.2	U	2.2	10
2-Methylphenol	1.8	U	1.8	10
4-Methylphenol	1.6	U	1.6	10
Benzaldehyde	2.0	U	2.0	10
Acetophenone	2.7	U	2.7	10
Bis(2-chloroethyl)ether	0.28	U	0.28	1.0
2,2'-oxybis[1-chloropropane]	2.0	U	2.0	10
N-Nitrosodi-n-propylamine	0.25	U	0.25	1.0
Nitrobenzene	0.30	U	0.30	1.0
Hexachloroethane	0.25	U	0.25	1.0
Isophorone	2.7	U	2.7	10
2-Nitrophenol	2.4	U	2.4	10
2,4-Dimethylphenol	3.4	U	3.4	10
2,4-Dichlorophenol	2.6	U	2.6	10
Bis(2-chloroethoxy)methane	2.6	U	2.6	10
Naphthalene	2.7	U	2.7	10
4-Chloroaniline	2.0	U	2.0	10
Hexachlorobutadiene	0.57	U	0.57	2.0
Caprolactam	2.5	U	2.5	10
4-Chloro-3-methylphenol	2.5	U	2.5	10
2-Methylnaphthalene	3.0	U	3.0	10
Hexachlorobenzene	0.29	U	0.29	1.0
Hexachlorocyclopentadiene	1.7	U	1.7	10
2,4,6-Trichlorophenol	2.4	U	2.4	10
2,4,5-Trichlorophenol	2.6	U	2.6	10
Diphenyl	2.8	U	2.8	10
2-Chloronaphthalene	2.7	U	2.7	10
2-Nitroaniline	4.9	U	4.9	20
2,6-Dinitrotoluene	0.61	U	0.61	2.0
Dimethyl phthalate	2.8	U	2.8	10
Acenaphthylene	2.7	U	2.7	10
3-Nitroaniline	5.0	U	5.0	20
Acenaphthene	2.7	U	2.7	10
4-Nitrophenol	6.7	U	6.7	30
2,4-Dinitrophenol	5.4	U	5.4	30
Dibenzofuran	2.8	U	2.8	10
Diethyl phthalate	2.9	U	2.9	10
Fluorene	2.8	U	2.8	10
Fluoranthene	3.2	U	3.2	10
Di-n-butyl phthalate	2.9	U	2.9	10
2,4-Dinitrotoluene	0.47	U	0.47	2.0
4-Chlorophenyl phenyl ether	2.5	U	2.5	10
4-Nitroaniline	5.8	U	5.8	20
4,6-Dinitro-2-methylphenol	4.7	U	4.7	30

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123287**

**Method: 8270C**

**Preparation: 3510C**

Lab Sample ID:	MB 460-123287/1-A	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29281.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1513	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
4-Bromophenyl phenyl ether	2.5	U	2.5	10
Atrazine	3.0	U	3.0	10
Anthracene	2.8	U	2.8	10
Carbazole	3.2	U	3.2	10
Phenanthrene	3.1	U	3.1	10
Pentachlorophenol	5.3	U	5.3	30
Pyrene	2.9	U	2.9	10
Chrysene	3.1	U	3.1	10
Benzo[k]fluoranthene	0.26	U	0.26	1.0
Benzo[g,h,i]perylene	2.0	U	2.0	10
Benzo[b]fluoranthene	0.26	U	0.26	1.0
Benzo[a]pyrene	0.14	U	0.14	1.0
Benzo[a]anthracene	0.27	U	0.27	1.0
N-Nitrosodiphenylamine	2.9	U	2.9	10
Butyl benzyl phthalate	2.5	U	2.5	10
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	10
Di-n-octyl phthalate	1.5	U	1.5	10
Indeno[1,2,3-cd]pyrene	0.15	U	0.15	1.0
Dibenz(a,h)anthracene	0.090	U	0.090	1.0
3,3'-Dichlorobenzidine	4.9	U	4.9	20
1,2,4,5-Tetrachlorobenzene	2.6	U	2.6	10
2,3,4,6-Tetrachlorophenol	2.5	U	2.5	10

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	96	56 - 112
Phenol-d5	31	10 - 48
Terphenyl-d14	108	50 - 122
2,4,6-Tribromophenol	105	46 - 122
2-Fluorophenol	50	10 - 65
2-Fluorobiphenyl	93	53 - 108

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Lab Control Sample - Batch: 460-123287

**Method: 8270C**

**Preparation: 3510C**

Lab Sample ID:	LCS 460-123287/2-A	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29280.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1451	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	33.9	34	12 - 44	
2-Chlorophenol	100	90.5	91	53 - 101	
2-Methylphenol	100	75.9	76	40 - 90	
4-Methylphenol	100	71.7	72	30 - 75	
Benzaldehyde	100	130	130	52 - 150	
Acetophenone	100	99.6	100	68 - 109	
Bis(2-chloroethyl)ether	100	90.0	90	62 - 108	
2,2'-oxybis[1-chloropropane]	100	93.8	94	68 - 107	
N-Nitrosodi-n-propylamine	100	95.8	96	70 - 109	
Nitrobenzene	100	91.0	91	66 - 106	
Hexachloroethane	100	93.0	93	50 - 99	
Isophorone	100	89.1	89	68 - 108	
2-Nitrophenol	100	98.1	98	65 - 107	
2,4-Dimethylphenol	100	80.9	81	55 - 100	
2,4-Dichlorophenol	100	99.4	99	64 - 107	
Bis(2-chloroethoxy)methane	100	96.0	96	69 - 108	
Naphthalene	100	94.2	94	63 - 101	
4-Chloroaniline	100	85.7	86	58 - 105	
Hexachlorobutadiene	100	91.2	91	52 - 99	
Caprolactam	100	19.2	19	10 - 30	
4-Chloro-3-methylphenol	100	96.6	97	57 - 106	
2-Methylnaphthalene	100	92.4	92	66 - 102	
Hexachlorobenzene	100	102	102	65 - 107	
Hexachlorocyclopentadiene	100	69.4	69	40 - 105	
2,4,6-Trichlorophenol	100	102	102	67 - 111	
2,4,5-Trichlorophenol	100	105	105	67 - 114	
Diphenyl	100	95.8	96	66 - 112	
2-Chloronaphthalene	100	92.7	93	65 - 107	
2-Nitroaniline	100	90.0	90	73 - 116	
2,6-Dinitrotoluene	100	98.0	98	68 - 114	
Dimethyl phthalate	100	101	101	69 - 111	
Acenaphthylene	100	95.0	95	67 - 107	
3-Nitroaniline	100	97.5	98	59 - 108	
Acenaphthene	100	95.0	95	66 - 108	
4-Nitrophenol	100	37.3	37	10 - 44	
2,4-Dinitrophenol	100	70.3	70	19 - 113	
Dibenzofuran	100	95.7	96	68 - 105	
Diethyl phthalate	100	95.3	95	66 - 109	
Fluorene	100	96.3	96	68 - 105	
Fluoranthene	100	94.5	95	68 - 108	
Di-n-butyl phthalate	100	96.6	97	68 - 111	
2,4-Dinitrotoluene	100	95.1	95	65 - 113	
4-Chlorophenyl phenyl ether	100	97.4	97	68 - 105	
4-Nitroaniline	100	99.0	99	49 - 119	
4,6-Dinitro-2-methylphenol	100	97.8	98	58 - 115	
4-Bromophenyl phenyl ether	100	104	104	66 - 110	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Lab Control Sample - Batch: 460-123287

**Method: 8270C**

**Preparation: 3510C**

Lab Sample ID:	LCS 460-123287/2-A	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29280.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1451	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	100	78.6	79	56 - 116	
Anthracene	100	96.2	96	68 - 108	
Carbazole	100	98.1	98	67 - 110	
Phenanthrene	100	99.4	99	68 - 110	
Pentachlorophenol	100	93.8	94	55 - 116	
Pyrene	100	102	102	61 - 110	
Chrysene	100	101	101	68 - 112	
Benzo[k]fluoranthene	100	97.5	97	66 - 114	
Benzo[g,h,i]perylene	100	109	109	65 - 134	
Benzo[b]fluoranthene	100	93.7	94	65 - 111	
Benzo[a]pyrene	100	98.8	99	58 - 101	
Benzo[a]anthracene	100	93.9	94	65 - 106	
N-Nitrosodiphenylamine	100	107	107	71 - 121	
Butyl benzyl phthalate	100	99.8	100	66 - 115	
Bis(2-ethylhexyl) phthalate	100	102	102	66 - 114	
Di-n-octyl phthalate	100	99.7	100	51 - 115	
Indeno[1,2,3-cd]pyrene	100	101	101	68 - 121	
Dibenz(a,h)anthracene	100	109	109	67 - 124	
3,3'-Dichlorobenzidine	100	105	105	69 - 129	
1,2,4,5-Tetrachlorobenzene	100	86.7	87	70 - 130	
2,3,4,6-Tetrachlorophenol	100	95.2	95	70 - 130	
Surrogate		% Rec		Acceptance Limits	
Nitrobenzene-d5		92		56 - 112	
Phenol-d5		30		10 - 48	
Terphenyl-d14		98		50 - 122	
2,4,6-Tribromophenol		103		46 - 122	
2-Fluorophenol		48		10 - 65	
2-Fluorobiphenyl		91		53 - 108	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123287**

**Method: 8270C  
Preparation: 3510C**

MS Lab Sample ID:	460-43236-N-9-A MS	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29283.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1557			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

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MSD Lab Sample ID:	460-43236-M-9-A MSD	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29284.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1619			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	29	30	12 - 44	2	30		
2-Chlorophenol	87	88	53 - 101	0	30		
2-Methylphenol	71	73	40 - 90	2	30		
4-Methylphenol	65	66	30 - 75	2	30		
Benzaldehyde	100	101	52 - 150	1	30		
Acetophenone	100	101	68 - 109	1	30		
Bis(2-chloroethyl)ether	94	94	62 - 108	0	30		
2,2'-oxybis[1-chloropropane]	95	95	68 - 107	0	30		
N-Nitrosodi-n-propylamine	95	96	70 - 109	1	30		
Nitrobenzene	112	111	66 - 106	1	30	F	F
Hexachloroethane	92	94	50 - 99	2	30		
Isophorone	108	106	68 - 108	2	30		
2-Nitrophenol	126	124	65 - 107	1	30	F	F
2,4-Dimethylphenol	105	105	55 - 100	0	30	F	F
2,4-Dichlorophenol	109	107	64 - 107	1	30	F	
Bis(2-chloroethoxy)methane	111	110	69 - 108	0	30	F	F
Naphthalene	96	95	63 - 101	1	30		
4-Chloroaniline	74	78	58 - 105	6	30		
Hexachlorobutadiene	114	116	52 - 99	2	30	F	F
Caprolactam	26	22	10 - 30	15	30		
4-Chloro-3-methylphenol	106	106	57 - 106	0	30		
2-Methylnaphthalene	115	112	66 - 102	3	30	F	F
Hexachlorobenzene	107	106	65 - 107	0	30		
Hexachlorocyclopentadiene	78	77	40 - 105	1	30		
2,4,6-Trichlorophenol	109	104	67 - 111	5	30		
2,4,5-Trichlorophenol	98	101	67 - 114	3	30		
Diphenyl	102	101	66 - 112	1	30		
2-Chloronaphthalene	97	97	65 - 107	1	30		
2-Nitroaniline	80	80	73 - 116	0	30		
2,6-Dinitrotoluene	102	99	68 - 114	3	30		
Dimethyl phthalate	102	102	69 - 111	0	30		
Acenaphthylene	94	95	67 - 107	0	30		
3-Nitroaniline	68	69	59 - 108	2	30		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123287**

**Method: 8270C  
Preparation: 3510C**

MS Lab Sample ID:	460-43236-N-9-A MS	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29283.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1557			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-43236-M-9-A MSD	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29284.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1619			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	101	100	66 - 108	1	30		
4-Nitrophenol	48	48	10 - 44	0	30	F	F
2,4-Dinitrophenol	115	110	19 - 113	4	30	F	
Dibenzofuran	100	99	68 - 105	1	30		
Diethyl phthalate	97	95	66 - 109	2	30		
Fluorene	98	98	68 - 105	0	30		
Fluoranthene	102	98	68 - 108	5	30		
Di-n-butyl phthalate	99	96	68 - 111	4	30		
2,4-Dinitrotoluene	102	98	65 - 113	3	30		
4-Chlorophenyl phenyl ether	97	96	68 - 105	1	30		
4-Nitroaniline	64	65	49 - 119	2	30		
4,6-Dinitro-2-methylphenol	120	116	58 - 115	4	30	F	F
4-Bromophenyl phenyl ether	104	104	66 - 110	0	30		
Atrazine	67	64	56 - 116	4	30		
Anthracene	99	97	68 - 108	1	30		
Carbazole	98	95	67 - 110	4	30		
Phenanthrene	103	101	68 - 110	2	30		
Pentachlorophenol	115	112	55 - 116	3	30		
Pyrene	96	99	61 - 110	2	30		
Chrysene	102	101	68 - 112	1	30		
Benzo[k]fluoranthene	97	92	66 - 114	5	30		
Benzo[g,h,i]perylene	109	109	65 - 134	0	30		
Benzo[b]fluoranthene	97	95	65 - 111	1	30		
Benzo[a]pyrene	99	96	58 - 101	3	30		
Benzo[a]anthracene	99	96	65 - 106	3	30		
N-Nitrosodiphenylamine	104	106	71 - 121	2	30		
Butyl benzyl phthalate	97	97	66 - 115	0	30		
Bis(2-ethylhexyl) phthalate	100	100	66 - 114	0	30		
Di-n-octyl phthalate	96	94	51 - 115	2	30		
Indeno[1,2,3-cd]pyrene	99	100	68 - 121	1	30		
Dibenz(a,h)anthracene	109	111	67 - 124	2	30		
3,3'-Dichlorobenzidine	51	56	69 - 129	8	30	F	F
1,2,4,5-Tetrachlorobenzene	92	92	70 - 130	0	30		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123287****Method: 8270C  
Preparation: 3510C**

MS Lab Sample ID:	460-43236-N-9-A MS	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29283.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1557			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-43236-M-9-A MSD	Analysis Batch:	460-124292	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-123287	Lab File ID:	x29284.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/14/2012 1619			Final Weight/Volume:	2 mL
Prep Date:	08/09/2012 1303			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	MS	% Rec.		RPD	RPD Limit	MS Qual	MSD Qual
		MSD	Limit				
2,3,4,6-Tetrachlorophenol	103	100	70 - 130	3	30		
<b>Surrogate</b>							
Nitrobenzene-d5	115	X	114	X		56 - 112	
Phenol-d5	25		26			10 - 48	
Terphenyl-d14	82		80			50 - 122	
2,4,6-Tribromophenol	107		104			46 - 122	
2-Fluorophenol	44		45			10 - 65	
2-Fluorobiphenyl	94		96			53 - 108	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123287**

**Method: 8270C  
Preparation: 3510C**

MS Lab Sample ID:	460-43236-N-9-A MS	Units:	ug/L	MSD Lab Sample ID:	460-43236-M-9-A MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/14/2012 1557			Analysis Date:	08/14/2012 1619
Prep Date:	08/09/2012 1303			Prep Date:	08/09/2012 1303
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phenol	0.81	U	100	100	28.9
2-Chlorophenol	2.2	U	100	100	87.5
2-Methylphenol	1.8	U	100	100	71.4
4-Methylphenol	1.6	U	100	100	64.6
Benzaldehyde	2.0	U	100	100	101
Acetophenone	2.7	U	100	100	101
Bis(2-chloroethyl)ether	0.28	U	100	100	94.2
2,2'-oxybis[1-chloropropane]	2.0	U	100	100	95.0
N-Nitrosodi-n-propylamine	0.25	U	100	100	94.7
Nitrobenzene	0.30	U	100	100	112
Hexachloroethane	0.25	U	100	100	91.6
Isophorone	2.7	U	100	100	108
2-Nitrophenol	2.4	U	100	100	126
2,4-Dimethylphenol	3.4	U	100	100	105
2,4-Dichlorophenol	2.6	U	100	100	109
Bis(2-chloroethoxy)methane	2.6	U	100	100	111
Naphthalene	2.7	U	100	100	95.9
4-Chloroaniline	2.0	U	100	100	73.6
Hexachlorobutadiene	0.57	U	100	100	114
Caprolactam	2.5	U	100	100	25.7
4-Chloro-3-methylphenol	2.5	U	100	100	106
2-Methylnaphthalene	9.2	J	100	100	125
Hexachlorobenzene	0.29	U	100	100	107
Hexachlorocyclopentadiene	1.7	U	100	100	78.0
2,4,6-Trichlorophenol	2.4	U	100	100	109
2,4,5-Trichlorophenol	2.6	U	100	100	98.2
Diphenyl	2.8	U	100	100	102
2-Chloronaphthalene	2.7	U	100	100	96.6
2-Nitroaniline	4.9	U	100	100	80.2
2,6-Dinitrotoluene	0.61	U	100	100	102
Dimethyl phthalate	2.8	U	100	100	102
Acenaphthylene	2.7	U	100	100	94.4
3-Nitroaniline	5.0	U	100	100	68.3
Acenaphthene	2.7	U	100	100	101
4-Nitrophenol	6.7	U	100	100	47.9
2,4-Dinitrophenol	5.4	U	100	100	115
Dibenzofuran	2.8	U	100	100	99.7
Diethyl phthalate	2.9	U	100	100	97.1
Fluorene	2.8	U	100	100	98.2
Fluoranthene	3.2	U	100	100	102
Di-n-butyl phthalate	2.9	U	100	100	99.2
2,4-Dinitrotoluene	0.47	U	100	100	102
4-Chlorophenyl phenyl ether	2.5	U	100	100	96.8

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123287**

**Method: 8270C  
Preparation: 3510C**

MS Lab Sample ID:	460-43236-N-9-A MS	Units:	ug/L	MSD Lab Sample ID:	460-43236-M-9-A MSD
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/14/2012 1557			Analysis Date:	08/14/2012 1619
Prep Date:	08/09/2012 1303			Prep Date:	08/09/2012 1303
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample	MS Spike	MSD Spike	MS	MSD
	Result/Qual	Amount	Amount	Result/Qual	Result/Qual
4-Nitroaniline	5.8	U	100	100	63.6
4,6-Dinitro-2-methylphenol	4.7	U	100	100	120
4-Bromophenyl phenyl ether	2.5	U	100	100	104
Atrazine	3.0	U	100	100	66.7
Anthracene	2.8	U	100	100	98.5
Carbazole	3.2	U	100	100	98.2
Phenanthrene	3.1	U	100	100	103
Pentachlorophenol	5.3	U	100	100	115
Pyrene	2.9	U	100	100	96.4
Chrysene	3.1	U	100	100	102
Benzo[k]fluoranthene	0.26	U	100	100	97.1
Benzo[g,h,i]perylene	2.0	U	100	100	109
Benzo[b]fluoranthene	0.26	U	100	100	96.7
Benzo[a]pyrene	0.14	U	100	100	99.4
Benzo[a]anthracene	0.27	U	100	100	99.0
N-Nitrosodiphenylamine	2.9	U	100	100	104
Butyl benzyl phthalate	2.5	U	100	100	97.2
Bis(2-ethylhexyl) phthalate	2.0	U	100	100	99.8
Di-n-octyl phthalate	1.5	U	100	100	96.2
Indeno[1,2,3-cd]pyrene	0.15	U	100	100	99.1
Dibenz(a,h)anthracene	0.090	U	100	100	109
3,3'-Dichlorobenzidine	4.9	U	100	100	51.4
1,2,4,5-Tetrachlorobenzene	2.6	U	100	100	92.0
2,3,4,6-Tetrachlorophenol	2.5	U	100	100	103

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123428**

**Method: 8270C**

**Preparation: 3541**

Lab Sample ID:	MB 460-123428/1-A	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11879.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/15/2012 0256	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Phenol	44	U	44	330
2-Chlorophenol	44	U	44	330
2-Methylphenol	56	U	56	330
4-Methylphenol	65	U	65	330
Benzaldehyde	39	U	39	330
Acetophenone	51	U	51	330
Bis(2-chloroethyl)ether	4.5	U	4.5	33
2,2'-oxybis[1-chloropropane]	37	U	37	330
N-Nitrosodi-n-propylamine	5.5	U	5.5	33
Nitrobenzene	4.7	U	4.7	33
Hexachloroethane	3.7	U	3.7	33
Isophorone	40	U	40	330
2-Nitrophenol	37	U	37	330
2,4-Dimethylphenol	82	U	82	330
2,4-Dichlorophenol	48	U	48	330
Bis(2-chloroethoxy)methane	43	U	43	330
Naphthalene	38	U	38	330
4-Chloroaniline	88	U	88	330
Hexachlorobutadiene	8.1	U	8.1	67
Caprolactam	76	U	76	330
4-Chloro-3-methylphenol	50	U	50	330
2-Methylnaphthalene	43	U	43	330
Hexachlorobenzene	4.5	U	4.5	33
Hexachlorocyclopentadiene	39	U	39	330
2,4,6-Trichlorophenol	39	U	39	330
2,4,5-Trichlorophenol	43	U	43	330
Diphenyl	44	U	44	330
2-Chloronaphthalene	37	U	37	330
2-Nitroaniline	140	U	140	670
2,6-Dinitrotoluene	10	U	10	67
Dimethyl phthalate	39	U	39	330
Acenaphthylene	39	U	39	330
3-Nitroaniline	120	U	120	670
Acenaphthene	48	U	48	330
4-Nitrophenol	210	U	210	1000
2,4-Dinitrophenol	190	U	190	1000
Dibenzofuran	39	U	39	330
Diethyl phthalate	39	U	39	330
Fluorene	42	U	42	330
Fluoranthene	44	U	44	330
Di-n-butyl phthalate	41	U	41	330
2,4-Dinitrotoluene	11	U	11	67
4-Chlorophenyl phenyl ether	39	U	39	330
4-Nitroaniline	100	U	100	670
4,6-Dinitro-2-methylphenol	90	U	90	1000

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123428**

**Method: 8270C**

**Preparation: 3541**

Lab Sample ID:	MB 460-123428/1-A	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11879.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/15/2012 0256	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
4-Bromophenyl phenyl ether	33	U	33	330
Atrazine	51	U	51	330
Anthracene	40	U	40	330
Carbazole	39	U	39	330
Phenanthrene	42	U	42	330
Pentachlorophenol	99	U	99	1000
Pyrene	28	U	28	330
Chrysene	39	U	39	330
Benzo[k]fluoranthene	2.5	U	2.5	33
Benzo[g,h,i]perylene	25	U	25	330
Benzo[b]fluoranthene	2.1	U	2.1	33
Benzo[a]pyrene	2.3	U	2.3	33
Benzo[a]anthracene	2.3	U	2.3	33
N-Nitrosodiphenylamine	33	U	33	330
Butyl benzyl phthalate	30	U	30	330
Bis(2-ethylhexyl) phthalate	110	U	110	330
Di-n-octyl phthalate	21	U	21	330
Indeno[1,2,3-cd]pyrene	6.2	U	6.2	33
Dibenz(a,h)anthracene	4.2	U	4.2	33
3,3'-Dichlorobenzidine	120	U	120	670
1,2,4,5-Tetrachlorobenzene	45	U	45	330
2,3,4,6-Tetrachlorophenol	43	U	43	330

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	73	38 - 105
Phenol-d5	74	41 - 118
Terphenyl-d14	74	16 - 151
2,4,6-Tribromophenol	64	10 - 120
2-Fluorophenol	73	37 - 125
2-Fluorobiphenyl	75	40 - 109

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample - Batch: 460-123428****Method: 8270C****Preparation: 3541**

Lab Sample ID:	LCS 460-123428/2-A	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11899.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/15/2012 0950	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	6670	4630	69	54 - 115	
2-Chlorophenol	6670	4710	71	56 - 110	
2-Methylphenol	6670	4940	74	54 - 117	
4-Methylphenol	6670	5050	76	47 - 103	
Benzaldehyde	3330	1340	40	10 - 160	
Acetophenone	3330	2430	73	40 - 95	
Bis(2-chloroethyl)ether	3330	2760	83	44 - 101	
2,2'-oxybis[1-chloropropane]	3330	2310	69	45 - 102	
N-Nitrosodi-n-propylamine	3330	2450	74	42 - 107	
Nitrobenzene	3330	2570	77	42 - 106	
Hexachloroethane	3330	2510	75	45 - 90	
Isophorone	3330	2290	69	48 - 97	
2-Nitrophenol	6670	5360	80	55 - 101	
2,4-Dimethylphenol	6670	5250	79	56 - 112	
2,4-Dichlorophenol	6670	5140	77	58 - 115	
Bis(2-chloroethoxy)methane	3330	2710	81	51 - 100	
Naphthalene	3330	2600	78	53 - 94	
4-Chloroaniline	3330	1620	49	10 - 96	
Hexachlorobutadiene	3330	2590	78	45 - 98	
Caprolactam	3330	2170	65	10 - 127	
4-Chloro-3-methylphenol	6670	5160	77	55 - 117	
2-Methylnaphthalene	3330	2750	83	51 - 98	
Hexachlorobenzene	3330	2810	84	43 - 104	
Hexachlorocyclopentadiene	3330	2430	73	24 - 98	
2,4,6-Trichlorophenol	6670	5100	77	53 - 118	
2,4,5-Trichlorophenol	6670	5190	78	50 - 115	
Diphenyl	3330	2850	85	50 - 105	
2-Chloronaphthalene	3330	2790	84	51 - 102	
2-Nitroaniline	3330	2560	77	51 - 109	
2,6-Dinitrotoluene	3330	2790	84	51 - 115	
Dimethyl phthalate	3330	2840	85	52 - 112	
Acenaphthylene	3330	2620	79	51 - 103	
3-Nitroaniline	3330	2040	61	32 - 104	
Acenaphthene	3330	2780	83	46 - 100	
4-Nitrophenol	6670	3240	49	45 - 114	
2,4-Dinitrophenol	6670	1900	29	10 - 129	
Dibenzofuran	3330	2720	82	52 - 106	
Diethyl phthalate	3330	2940	88	52 - 114	
Fluorene	3330	2750	82	51 - 108	
Fluoranthene	3330	2830	85	49 - 108	
Di-n-butyl phthalate	3330	2950	88	50 - 108	
2,4-Dinitrotoluene	3330	2890	87	53 - 110	
4-Chlorophenyl phenyl ether	3330	2830	85	50 - 106	
4-Nitroaniline	3330	2680	80	45 - 106	
4,6-Dinitro-2-methylphenol	6670	3220	48	10 - 110	
4-Bromophenyl phenyl ether	3330	2920	88	44 - 102	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Lab Control Sample - Batch: 460-123428

**Method: 8270C**

**Preparation: 3541**

Lab Sample ID:	LCS 460-123428/2-A	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11899.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/15/2012 0950	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Atrazine	3330	3120	94	30 - 100	
Anthracene	3330	2740	82	50 - 107	
Carbazole	3330	2880	86	49 - 104	
Phenanthrene	3330	2810	84	48 - 108	
Pentachlorophenol	6670	5040	76	19 - 113	
Pyrene	3330	2350	70	49 - 116	
Chrysene	3330	2760	83	45 - 114	
Benzo[k]fluoranthene	3330	2630	79	35 - 115	
Benzo[g,h,i]perylene	3330	3520	105	43 - 106	
Benzo[b]fluoranthene	3330	2550	77	33 - 96	
Benzo[a]pyrene	3330	2860	86	36 - 89	
Benzo[a]anthracene	3330	2890	87	46 - 112	
N-Nitrosodiphenylamine	3330	2940	88	49 - 106	
Butyl benzyl phthalate	3330	2790	84	49 - 117	
Bis(2-ethylhexyl) phthalate	3330	2810	84	49 - 119	
Di-n-octyl phthalate	3330	2310	69	40 - 106	
Indeno[1,2,3-cd]pyrene	3330	3570	107	43 - 109	
Dibenz(a,h)anthracene	3330	3460	104	43 - 107	
3,3'-Dichlorobenzidine	3330	2990	90	24 - 105	
1,2,4,5-Tetrachlorobenzene	3330	2540	76	70 - 130	
2,3,4,6-Tetrachlorophenol	3330	2600	78	70 - 130	
Surrogate		% Rec		Acceptance Limits	
Nitrobenzene-d5		63		38 - 105	
Phenol-d5		61		41 - 118	
Terphenyl-d14		62		16 - 151	
2,4,6-Tribromophenol		67		10 - 120	
2-Fluorophenol		63		37 - 125	
2-Fluorobiphenyl		68		40 - 109	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123428**

**Method: 8270C  
Preparation: 3541**

MS Lab Sample ID:	460-43228-A-4-A MS	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11900.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/15/2012 1011			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

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MSD Lab Sample ID:	460-43228-A-4-B MSD	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11901.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/15/2012 1032			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	68	70	54 - 115	4	30		
2-Chlorophenol	74	76	56 - 110	3	30		
2-Methylphenol	77	81	54 - 117	5	30		
4-Methylphenol	77	80	47 - 103	4	30		
Benzaldehyde	37	37	10 - 160	1	30		
Acetophenone	76	78	40 - 95	3	30		
Bis(2-chloroethyl)ether	87	89	44 - 101	3	30		
2,2'-oxybis[1-chloropropane]	72	74	45 - 102	3	30		
N-Nitrosodi-n-propylamine	76	78	42 - 107	3	30		
Nitrobenzene	83	84	42 - 106	1	30		
Hexachloroethane	79	82	45 - 90	4	30		
Isophorone	80	83	48 - 97	4	30		
2-Nitrophenol	84	87	55 - 101	4	30		
2,4-Dimethylphenol	81	85	56 - 112	4	30		
2,4-Dichlorophenol	75	79	58 - 115	6	30		
Bis(2-chloroethoxy)methane	85	88	51 - 100	4	30		
Naphthalene	82	84	53 - 94	2	30		
4-Chloroaniline	42	47	10 - 96	12	30		
Hexachlorobutadiene	84	85	45 - 98	1	30		
Caprolactam	51	69	10 - 127	30	30		
4-Chloro-3-methylphenol	74	79	55 - 117	6	30		
2-Methylnaphthalene	89	91	51 - 98	3	30		
Hexachlorobenzene	91	93	43 - 104	2	30		
Hexachlorocyclopentadiene	29	34	24 - 98	16	30		
2,4,6-Trichlorophenol	76	79	53 - 118	4	30		
2,4,5-Trichlorophenol	77	81	50 - 115	4	30		
Diphenyl	92	93	50 - 105	2	30		
2-Chloronaphthalene	89	92	51 - 102	3	30		
2-Nitroaniline	75	78	51 - 109	4	30		
2,6-Dinitrotoluene	84	88	51 - 115	5	30		
Dimethyl phthalate	85	87	52 - 112	3	30		
Acenaphthylene	82	83	51 - 103	1	30		
3-Nitroaniline	60	62	32 - 104	3	30		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123428**

**Method: 8270C  
Preparation: 3541**

MS Lab Sample ID:	460-43228-A-4-A MS	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11900.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/15/2012 1011			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

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MSD Lab Sample ID:	460-43228-A-4-B MSD	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11901.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/15/2012 1032			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	85	89	46 - 100	4	30		
4-Nitrophenol	45	46	45 - 114	2	30		
2,4-Dinitrophenol	14	14	10 - 129	3	30	J	J
Dibenzofuran	84	86	52 - 106	2	30		
Diethyl phthalate	84	89	52 - 114	6	30		
Fluorene	82	86	51 - 108	5	30		
Fluoranthene	90	90	49 - 108	0	30		
Di-n-butyl phthalate	88	92	50 - 108	5	30		
2,4-Dinitrotoluene	83	85	53 - 110	3	30		
4-Chlorophenyl phenyl ether	85	88	50 - 106	4	30		
4-Nitroaniline	66	70	45 - 106	5	30		
4,6-Dinitro-2-methylphenol	36	35	10 - 110	1	30		
4-Bromophenyl phenyl ether	94	97	44 - 102	3	30		
Atrazine	87	91	30 - 100	5	30		
Anthracene	86	88	50 - 107	3	30		
Carbazole	87	91	49 - 104	5	30		
Phenanthrene	87	89	48 - 108	3	30		
Pentachlorophenol	68	64	19 - 113	6	30		
Pyrene	70	75	49 - 116	7	30		
Chrysene	87	90	45 - 114	3	30		
Benzo[k]fluoranthene	84	86	35 - 115	3	30		
Benzo[g,h,i]perylene	124	131	43 - 106	5	30	F	F
Benzo[b]fluoranthene	75	78	33 - 96	3	30		
Benzo[a]pyrene	89	92	36 - 89	4	30		
Benzo[a]anthracene	87	91	46 - 112	4	30		
N-Nitrosodiphenylamine	91	96	49 - 106	5	30		
Butyl benzyl phthalate	79	86	49 - 117	8	30		
Bis(2-ethylhexyl) phthalate	83	88	49 - 119	6	30		
Di-n-octyl phthalate	64	67	40 - 106	5	30		
Indeno[1,2,3-cd]pyrene	115	122	43 - 109	6	30	F	F
Dibenz(a,h)anthracene	117	120	43 - 107	3	30	F	F
3,3'-Dichlorobenzidine	93	100	24 - 105	8	30		
1,2,4,5-Tetrachlorobenzene	86	86	70 - 130	1	30		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123428****Method: 8270C****Preparation: 3541**

MS Lab Sample ID:	460-43228-A-4-A MS	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11900.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.02 g
Analysis Date:	08/15/2012 1011			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	460-43228-A-4-B MSD	Analysis Batch:	460-124158	Instrument ID:	BNAMS11
Client Matrix:	Solid	Prep Batch:	460-123428	Lab File ID:	z11901.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/15/2012 1032			Final Weight/Volume:	1 mL
Prep Date:	08/10/2012 0924			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
2,3,4,6-Tetrachlorophenol	67	68	70 - 130	2	30	F	F
<hr/>							
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Nitrobenzene-d5	67	66			38 - 105		
Phenol-d5	63	63			41 - 118		
Terphenyl-d14	60	61			16 - 151		
2,4,6-Tribromophenol	54	55			10 - 120		
2-Fluorophenol	66	66			37 - 125		
2-Fluorobiphenyl	75	74			40 - 109		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123428**

**Method: 8270C  
Preparation: 3541**

MS Lab Sample ID:	460-43228-A-4-A MS	Units:	ug/Kg	MSD Lab Sample ID:	460-43228-A-4-B MSD
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/15/2012 1011			Analysis Date:	08/15/2012 1032
Prep Date:	08/10/2012 0924			Prep Date:	08/10/2012 0924
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phenol	49	U	7390	5020	5200
2-Chlorophenol	48	U	7390	5460	5640
2-Methylphenol	62	U	7390	5680	5960
4-Methylphenol	72	U	7390	5720	5950
Benzaldehyde	43	U	3690	1370	1380
Acetophenone	56	U	3690	2800	2890
Bis(2-chloroethyl)ether	5.0	U	3690	3210	3290
2,2'-oxybis[1-chloropropane]	41	U	3690	2660	2750
N-Nitrosodi-n-propylamine	6.1	U	3690	2810	2890
Nitrobenzene	5.2	U	3690	3070	3100
Hexachloroethane	4.1	U	3690	2920	3020
Isophorone	44	U	3690	2950	3070
2-Nitrophenol	41	U	7390	6180	6420
2,4-Dimethylphenol	90	U	7390	5980	6250
2,4-Dichlorophenol	54	U	7390	5520	5840
Bis(2-chloroethoxy)methane	47	U	3690	3130	3260
Naphthalene	49	J	3690	3090	3160
4-Chloroaniline	97	U	3690	1550	1750
Hexachlorobutadiene	8.9	U	3690	3110	3150
Caprolactam	84	U	3690	1890	2560
4-Chloro-3-methylphenol	55	U	7390	5500	5830
2-Methylnaphthalene	47	U	3690	3270	3360
Hexachlorobenzene	5.0	U	3690	3370	3430
Hexachlorocyclopentadiene	43	U	3690	1070	1260
2,4,6-Trichlorophenol	43	U	7390	5620	5860
2,4,5-Trichlorophenol	47	U	7390	5720	5950
Diphenyl	49	U	3690	3380	3450
2-Chloronaphthalene	41	U	3690	3300	3400
2-Nitroaniline	150	U	3690	2780	2900
2,6-Dinitrotoluene	11	U	3690	3100	3260
Dimethyl phthalate	43	U	3690	3130	3230
Acenaphthylene	43	U	3690	3040	3070
3-Nitroaniline	130	U	3690	2220	2300
Acenaphthene	53	U	3690	3150	3300
4-Nitrophenol	240	U	7390	3340	3390
2,4-Dinitrophenol	210	U	7390	1050	J 1020 J
Dibenzofuran	43	U	3690	3100	3170
Diethyl phthalate	44	U	3690	3090	3300
Fluorene	47	U	3690	3030	3180
Fluoranthene	49	U	3690	3330	3320
Di-n-butyl phthalate	45	U	3690	3260	3420
2,4-Dinitrotoluene	12	U	3690	3070	3160
4-Chlorophenyl phenyl ether	43	U	3690	3120	3240

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123428**

**Method: 8270C  
Preparation: 3541**

MS Lab Sample ID:	460-43228-A-4-A MS	Units:	ug/Kg	MSD Lab Sample ID:	460-43228-A-4-B MSD
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/15/2012 1011			Analysis Date:	08/15/2012 1032
Prep Date:	08/10/2012 0924			Prep Date:	08/10/2012 0924
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample	MS Spike	MSD Spike	MS	MSD	
	Result/Qual	Amount	Amount	Result/Qual	Result/Qual	
4-Nitroaniline	110	U	3690	3700	2450	2580
4,6-Dinitro-2-methylphenol	100	U	7390	7390	2650	2610
4-Bromophenyl phenyl ether	36	U	3690	3700	3480	3590
Atrazine	57	U	3690	3700	3200	3360
Anthracene	45	U	3690	3700	3180	3270
Carbazole	43	U	3690	3700	3210	3360
Phenanthrene	47	U	3690	3700	3210	3300
Pentachlorophenol	110	U	7390	7390	5040	4750
Pyrene	31	J	3690	3700	2600	2780
Chrysene	43	U	3690	3700	3220	3320
Benzo[k]fluoranthene	2.8	U	3690	3700	3090	3170
Benzo[g,h,i]perylene	27	U	3690	3700	4570	F 4830
Benzo[b]fluoranthene	23	J	3690	3700	2800	2900
Benzo[a]pyrene	19	J	3690	3700	3300	3440
Benzo[a]anthracene	2.6	U	3690	3700	3210	3350
N-Nitrosodiphenylamine	36	U	3690	3700	3370	3550
Butyl benzyl phthalate	34	U	3690	3700	2930	3170
Bis(2-ethylhexyl) phthalate	120	U	3690	3700	3050	3240
Di-n-octyl phthalate	23	U	3690	3700	2360	2470
Indeno[1,2,3-cd]pyrene	19	J	3690	3700	4250	F 4520
Dibenz(a,h)anthracene	4.6	U	3690	3700	4310	F 4450
3,3'-Dichlorobenzidine	130	U	3690	3700	3430	3700
1,2,4,5-Tetrachlorobenzene	49	U	3690	3700	3160	3200
2,3,4,6-Tetrachlorophenol	48	U	3690	3700	2470	F 2510

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123232**

**Method: 8081A**

**Preparation: 3541**

Lab Sample ID:	MB 460-123232/1-A	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WR705440.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/13/2012 1051	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	1.5	U	1.5	6.7
alpha-BHC	1.2	U	1.2	6.7
beta-BHC	0.91	U	0.91	6.7
delta-BHC	1.0	U	1.0	6.7
gamma-BHC (Lindane)	0.78	U	0.78	6.7
Chlordane	15	U	15	67
4,4'-DDD	0.80	U	0.80	6.7
4,4'-DDE	1.3	U	1.3	6.7
4,4'-DDT	0.84	U	0.84	6.7
Dieldrin	1.3	U	1.3	6.7
Endosulfan I	1.4	U	1.4	6.7
Endosulfan II	1.0	U	1.0	6.7
Endosulfan sulfate	0.86	U	0.86	6.7
Endrin	0.94	U	0.94	6.7
Endrin aldehyde	1.7	U	1.7	6.7
Endrin ketone	0.99	U	0.99	6.7
Heptachlor	0.96	U	0.96	6.7
Heptachlor epoxide	1.4	U	1.4	6.7
Methoxychlor	0.75	U	0.75	6.7
Toxaphene	14	U	14	67

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	106	40 - 150
DCB Decachlorobiphenyl	110	53 - 150
Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	105	40 - 150
DCB Decachlorobiphenyl	103	53 - 150

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Lab Control Sample - Batch: 460-123232

**Method: 8081A**

**Preparation: 3541**

Lab Sample ID:	LCS 460-123232/2-A	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WR705429.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/13/2012 0818	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	125	94	58 - 143	
alpha-BHC	133	124	93	58 - 138	
beta-BHC	133	123	92	60 - 139	
delta-BHC	133	118	89	60 - 141	
gamma-BHC (Lindane)	133	124	93	58 - 136	
4,4'-DDD	133	130	98	63 - 150	
4,4'-DDE	133	128	96	58 - 150	
4,4'-DDT	133	130	97	57 - 150	
Dieldrin	133	113	85	55 - 128	
Endosulfan I	133	124	93	60 - 138	
Endosulfan II	133	118	89	59 - 133	
Endosulfan sulfate	133	116	87	56 - 133	
Endrin	133	132	99	61 - 150	
Endrin aldehyde	133	124	93	55 - 122	
Endrin ketone	133	126	95	62 - 139	
Heptachlor	133	134	100	58 - 137	
Heptachlor epoxide	133	124	93	59 - 136	
Methoxychlor	133	139	104	42 - 150	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		112		40 - 150	
DCB Decachlorobiphenyl		112		53 - 150	

### Lab Control Sample - Batch: 460-123232

**Method: 8081A**

**Preparation: 3541**

Lab Sample ID:	LCS 460-123232/2-A	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WF705429.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/13/2012 0818	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aldrin	133	122	92	58 - 143	
alpha-BHC	133	122	92	58 - 138	
beta-BHC	133	123	92	60 - 139	
delta-BHC	133	117	88	60 - 141	
gamma-BHC (Lindane)	133	122	91	58 - 136	
4,4'-DDD	133	129	97	63 - 150	
4,4'-DDE	133	123	92	58 - 150	
4,4'-DDT	133	120	90	57 - 150	
Dieldrin	133	111	84	55 - 128	
Endosulfan I	133	120	90	60 - 138	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Lab Control Sample - Batch: 460-123232

**Method: 8081A**

**Preparation: 3541**

Lab Sample ID:	LCS 460-123232/2-A	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WF705429.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.00 g
Analysis Date:	08/13/2012 0818	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Endosulfan II	133	117	88	59 - 133	
Endosulfan sulfate	133	113	85	56 - 133	
Endrin	133	125	94	61 - 150	
Endrin aldehyde	133	120	90	55 - 122	
Endrin ketone	133	117	88	62 - 139	
Heptachlor	133	127	95	58 - 137	
Heptachlor epoxide	133	119	89	59 - 136	
Methoxychlor	133	133	100	42 - 150	
Surrogate		% Rec		Acceptance Limits	
Tetrachloro-m-xylene		110		40 - 150	
DCB Decachlorobiphenyl		104		53 - 150	

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123232**

**Method: 8081A  
Preparation: 3541**

MS Lab Sample ID:	460-43235-4	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WR705430.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/13/2012 0831			Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	460-43235-4	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WR705431.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/13/2012 0845			Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aldrin	98	98	58 - 143	0	30		
alpha-BHC	96	96	58 - 138	0	30		
beta-BHC	94	95	60 - 139	1	30		
delta-BHC	92	92	60 - 141	0	30		
gamma-BHC (Lindane)	96	96	58 - 136	0	30		
4,4'-DDD	98	94	63 - 150	3	30		
4,4'-DDE	95	93	58 - 150	2	30		
4,4'-DDT	100	100	57 - 150	0	30		
Dieldrin	99	98	55 - 128	1	30		
Endosulfan I	98	97	60 - 138	0	30		
Endosulfan II	92	93	59 - 133	0	30		
Endosulfan sulfate	90	90	56 - 133	0	30		
Endrin	104	102	61 - 150	2	30		
Endrin aldehyde	96	97	55 - 122	0	30		
Endrin ketone	99	98	62 - 139	0	30		
Heptachlor	104	104	58 - 137	0	30		
Heptachlor epoxide	102	100	59 - 136	1	30		
Methoxychlor	108	108	42 - 150	0	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	114		117		40 - 150		
DCB Decachlorobiphenyl	114		118		53 - 150		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123232**

**Method: 8081A  
Preparation: 3541**

MS Lab Sample ID:	460-43235-4	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WF705430.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.01 g
Analysis Date:	08/13/2012 0831			Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

MSD Lab Sample ID:	460-43235-4	Analysis Batch:	460-123769	Instrument ID:	PESTGC4
Client Matrix:	Solid	Prep Batch:	460-123232	Lab File ID:	WF705431.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.03 g
Analysis Date:	08/13/2012 0845			Final Weight/Volume:	10 mL
Prep Date:	08/09/2012 0835			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aldrin	95	95	58 - 143	0	30		
alpha-BHC	95	95	58 - 138	0	30		
beta-BHC	94	94	60 - 139	0	30		
delta-BHC	91	91	60 - 141	0	30		
gamma-BHC (Lindane)	94	95	58 - 136	1	30		
4,4'-DDD	98	92	63 - 150	4	30		
4,4'-DDE	91	90	58 - 150	1	30		
4,4'-DDT	93	93	57 - 150	0	30		
Dieldrin	88	87	55 - 128	0	30		
Endosulfan I	93	93	60 - 138	0	30		
Endosulfan II	92	92	59 - 133	0	30		
Endosulfan sulfate	89	89	56 - 133	0	30		
Endrin	98	98	61 - 150	0	30		
Endrin aldehyde	94	94	55 - 122	0	30		
Heptachlor	98	98	58 - 137	0	30		
Heptachlor epoxide	92	92	59 - 136	0	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	109		113		40 - 150		
DCB Decachlorobiphenyl	105		107		53 - 150		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123232**

**Method: 8081A  
Preparation: 3541**

MS Lab Sample ID:	460-43235-4	Units:	ug/Kg	MSD Lab Sample ID:	460-43235-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/13/2012 0831			Analysis Date:	08/13/2012 0845
Prep Date:	08/09/2012 0835			Prep Date:	08/09/2012 0835
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aldrin	1.8	U	166	166	162
alpha-BHC	1.5	U	166	166	159
beta-BHC	1.1	U	166	166	156
delta-BHC	1.3	U	166	166	152
gamma-BHC (Lindane)	0.97	U	166	166	159
4,4'-DDD	79		166	166	242
4,4'-DDE	26		166	166	183
4,4'-DDT	4.6	J	166	166	170
Dieldrin	1.6	U	166	166	165
Endosulfan I	1.7	U	166	166	162
Endosulfan II	1.3	U	166	166	153
Endosulfan sulfate	1.1	U	166	166	149
Endrin	1.2	U	166	166	172
Endrin aldehyde	2.1	U	166	166	160
Endrin ketone	1.2	U	166	166	163
Heptachlor	1.2	U	166	166	172
Heptachlor epoxide	1.7	U	166	166	168
Methoxychlor	0.93	U	166	166	179

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 460-123232****Method: 8081A  
Preparation: 3541**

MS Lab Sample ID:	460-43235-4	Units:	ug/Kg	MSD Lab Sample ID:	460-43235-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/13/2012 0831			Analysis Date:	08/13/2012 0845
Prep Date:	08/09/2012 0835			Prep Date:	08/09/2012 0835
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aldrin	1.8 U	166	166	157	157
alpha-BHC	1.5 U	166	166	158	157
beta-BHC	1.1 U	166	166	156	155
delta-BHC	1.3 U	166	166	151	151
gamma-BHC (Lindane)	0.97 U	166	166	155	157
4,4'-DDD	80	166	166	241	231
4,4'-DDE	25	166	166	176	174
4,4'-DDT	4.1 J	166	166	158	159
Dieldrin	1.6 U	166	166	145	145
Endosulfan I	1.7 U	166	166	154	154
Endosulfan II	1.3 U	166	166	152	152
Endosulfan sulfate	1.1 U	166	166	148	148
Endrin	1.2 U	166	166	162	163
Endrin aldehyde	2.1 U	166	166	156	156
Heptachlor	1.2 U	166	166	162	162
Heptachlor epoxide	1.7 U	166	166	153	153

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123243**

**Method: 8081A**

**Preparation: 3510C**

Lab Sample ID:	MB 460-123243/1-A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Client Matrix:	Water	Prep Batch:	460-123243	Lab File ID:	WR705700.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/16/2012 1628	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/09/2012 1008			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	0.010	U	0.010	0.050
alpha-BHC	0.010	U	0.010	0.050
beta-BHC	0.011	U	0.011	0.050
delta-BHC	0.0090	U	0.0090	0.050
gamma-BHC (Lindane)	0.012	U	0.012	0.050
Chlordane	0.33	U	0.33	0.50
4,4'-DDD	0.011	U	0.011	0.050
4,4'-DDE	0.0090	U	0.0090	0.050
4,4'-DDT	0.010	U	0.010	0.050
Dieldrin	0.0050	U	0.0050	0.050
Endosulfan I	0.0090	U	0.0090	0.050
Endosulfan II	0.010	U	0.010	0.050
Endosulfan sulfate	0.016	U	0.016	0.050
Endrin	0.010	U	0.010	0.050
Endrin aldehyde	0.0090	U	0.0090	0.050
Endrin ketone	0.011	U	0.011	0.050
Heptachlor	0.010	U	0.010	0.050
Heptachlor epoxide	0.010	U	0.010	0.050
Methoxychlor	0.013	U	0.013	0.050
Toxaphene	0.20	U	0.20	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	104	49 - 132
DCB Decachlorobiphenyl	85	37 - 144

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	96	49 - 132
DCB Decachlorobiphenyl	82	37 - 144

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample/  
Lab Control Sample Duplicate Recovery Report - Batch: 460-123243**

**Method: 8081A  
Preparation: 3510C**

LCS Lab Sample ID:	LCS 460-123243/2-A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Client Matrix:	Water	Prep Batch:	460-123243	Lab File ID:	WF705692.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/16/2012 1437	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/09/2012 1008			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 460-123243/3-A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Client Matrix:	Water	Prep Batch:	460-123243	Lab File ID:	WF705693.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/16/2012 1451	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/09/2012 1008			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	% Rec.		RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD				
Aldrin	95	99	61 - 122	4	30	
alpha-BHC	102	107	63 - 122	6	30	
beta-BHC	100	105	64 - 119	6	30	
delta-BHC	97	103	62 - 124	5	30	
gamma-BHC (Lindane)	99	105	59 - 121	5	30	
4,4'-DDD	99	102	68 - 136	3	30	
4,4'-DDE	97	98	66 - 132	1	30	
4,4'-DDT	82	87	66 - 132	7	30	
Dieldrin	90	95	62 - 112	5	30	
Endosulfan I	98	102	64 - 123	4	30	
Endosulfan II	96	101	63 - 116	5	30	
Endosulfan sulfate	95	100	56 - 121	5	30	
Endrin	100	104	42 - 138	3	30	
Endrin aldehyde	95	100	56 - 119	5	30	
Endrin ketone	99	104	62 - 125	4	30	
Heptachlor	67	76	61 - 118	13	30	
Heptachlor epoxide	97	102	64 - 120	5	30	
Methoxychlor	71	80	56 - 125	12	30	
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits	
Tetrachloro-m-xylene	102		107		49 - 132	
DCB Decachlorobiphenyl	86		72		37 - 144	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample/  
Lab Control Sample Duplicate Recovery Report - Batch: 460-123243**

**Method: 8081A  
Preparation: 3510C**

LCS Lab Sample ID:	LCS 460-123243/2-A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Client Matrix:	Water	Prep Batch:	460-123243	Lab File ID:	WR705692.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/16/2012 1437	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/09/2012 1008			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

LCSD Lab Sample ID:	LCSD 460-123243/3-A	Analysis Batch:	460-124316	Instrument ID:	PESTGC4
Client Matrix:	Water	Prep Batch:	460-123243	Lab File ID:	WR705693.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	08/16/2012 1451	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	08/09/2012 1008			Injection Volume:	
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aldrin	92	94	61 - 122	3	30		
alpha-BHC	94	99	63 - 122	5	30		
beta-BHC	93	99	64 - 119	6	30		
delta-BHC	90	98	62 - 124	8	30		
gamma-BHC (Lindane)	94	100	59 - 121	5	30		
4,4'-DDD	98	101	68 - 136	4	30		
4,4'-DDE	94	94	66 - 132	0	30		
4,4'-DDT	80	82	66 - 132	3	30		
Dieldrin	87	90	62 - 112	4	30		
Endosulfan I	96	100	64 - 123	4	30		
Endosulfan II	89	92	63 - 116	4	30		
Endosulfan sulfate	89	92	56 - 121	4	30		
Endrin	99	103	42 - 138	3	30		
Endrin aldehyde	93	97	56 - 119	4	30		
Endrin ketone	97	101	62 - 125	4	30		
Heptachlor	60	70	61 - 118	15	30	*	
Heptachlor epoxide	92	97	64 - 120	5	30		
Methoxychlor	68	72	56 - 125	6	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	98		101		49 - 132		
DCB Decachlorobiphenyl	83		69		37 - 144		

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-123243**

**Method: 8081A  
Preparation: 3510C**

LCS Lab Sample ID:	LCS 460-123243/2-A	Units:	ug/L	LCSD Lab Sample ID:	LCSD 460-123243/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/16/2012 1437			Analysis Date:	08/16/2012 1451
Prep Date:	08/09/2012 1008			Prep Date:	08/09/2012 1008
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aldrin	2.00	2.00	1.90	1.97
alpha-BHC	2.00	2.00	2.03	2.15
beta-BHC	2.00	2.00	1.99	2.11
delta-BHC	2.00	2.00	1.95	2.06
gamma-BHC (Lindane)	2.00	2.00	1.99	2.10
4,4'-DDD	2.00	2.00	1.98	2.04
4,4'-DDE	2.00	2.00	1.94	1.96
4,4'-DDT	2.00	2.00	1.64	1.75
Dieldrin	2.00	2.00	1.81	1.89
Endosulfan I	2.00	2.00	1.96	2.05
Endosulfan II	2.00	2.00	1.92	2.02
Endosulfan sulfate	2.00	2.00	1.91	2.00
Endrin	2.00	2.00	2.00	2.07
Endrin aldehyde	2.00	2.00	1.89	1.99
Endrin ketone	2.00	2.00	1.98	2.07
Heptachlor	2.00	2.00	1.34	1.53
Heptachlor epoxide	2.00	2.00	1.93	2.04
Methoxychlor	2.00	2.00	1.43	1.61

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 460-123243**

**Method: 8081A  
Preparation: 3510C**

LCS Lab Sample ID:	LCS 460-123243/2-A	Units:	ug/L	LCS Lab Sample ID:	LCSD 460-123243/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/16/2012 1437			Analysis Date:	08/16/2012 1451
Prep Date:	08/09/2012 1008			Prep Date:	08/09/2012 1008
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Aldrin	2.00	2.00	1.84	1.89
alpha-BHC	2.00	2.00	1.88	1.98
beta-BHC	2.00	2.00	1.86	1.97
delta-BHC	2.00	2.00	1.80	1.95
gamma-BHC (Lindane)	2.00	2.00	1.89	1.99
4,4'-DDD	2.00	2.00	1.95	2.03
4,4'-DDE	2.00	2.00	1.89	1.88
4,4'-DDT	2.00	2.00	1.60	1.65
Dieldrin	2.00	2.00	1.73	1.80
Endosulfan I	2.00	2.00	1.92	2.01
Endosulfan II	2.00	2.00	1.78	1.85
Endosulfan sulfate	2.00	2.00	1.77	1.84
Endrin	2.00	2.00	1.99	2.05
Endrin aldehyde	2.00	2.00	1.86	1.94
Endrin ketone	2.00	2.00	1.93	2.01
Heptachlor	2.00	2.00	1.20	*
Heptachlor epoxide	2.00	2.00	1.85	1.94
Methoxychlor	2.00	2.00	1.35	1.44

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123227**

**Method: 6010B**

**Preparation: 3010A**

Lab Sample ID:	MB 460-123227/1-A	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1330	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	72.1	U	72.1	200
Antimony	7.4	U	7.4	10.0
Arsenic	3.7	U	3.7	5.0
Barium	5.9	U	5.9	200
Beryllium	0.78	U	0.78	2.0
Cadmium	0.82	U	0.82	5.0
Calcium	305	U	305	5000
Chromium	4.5	U	4.5	10.0
Cobalt	4.3	U	4.3	50.0
Copper	7.8	U	7.8	25.0
Iron	73.6	U	73.6	150
Lead	4.0	U	4.0	5.0
Magnesium	321	U	321	5000
Manganese	4.3	U	4.3	15.0
Nickel	5.0	U	5.0	40.0
Potassium	525	U	525	5000
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0
Sodium	821	U	821	5000
Thallium	5.2	U	5.2	10.0
Vanadium	4.0	U	4.0	50.0
Zinc	5.8	U	5.8	30.0

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Lab Control Sample - Batch: 460-123227****Method: 6010B****Preparation: 3010A**

Lab Sample ID:	LCS 460-123227/2-A	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1334	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1981	99	80 - 120	
Antimony	500	487.3	97	80 - 120	
Arsenic	2000	1941	97	80 - 120	
Barium	2000	2025	101	80 - 120	
Beryllium	50.0	50.40	101	80 - 120	
Cadmium	50.0	51.58	103	80 - 120	
Calcium	20000	20660	103	80 - 120	
Chromium	200	205.8	103	80 - 120	
Cobalt	500	515.3	103	80 - 120	
Copper	250	250.5	100	80 - 120	
Iron	1000	1049	105	80 - 120	
Lead	500	525.3	105	80 - 120	
Magnesium	20000	19840	99	80 - 120	
Manganese	500	529.3	106	80 - 120	
Nickel	500	522.7	105	80 - 120	
Potassium	20000	19730	99	80 - 120	
Selenium	2000	1936	97	80 - 120	
Silver	50.0	47.89	96	80 - 120	
Sodium	20000	20190	101	80 - 120	
Thallium	2000	2162	108	80 - 120	
Vanadium	500	496.5	99	80 - 120	
Zinc	500	510.7	102	80 - 120	

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Matrix Spike - Batch: 460-123227****Method: 6010B****Preparation: 3010A**

Lab Sample ID:	460-43269-H-4-C MS	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1348	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	120	J	2000	2129	100	75 - 125
Antimony	7.4	U	500	477.6	96	75 - 125
Arsenic	3.7	U	2000	1924	96	75 - 125
Barium	257		2000	2248	100	75 - 125
Beryllium	0.78	U	50.0	51.16	102	75 - 125
Cadmium	0.82	U	50.0	50.64	101	75 - 125
Calcium	4250	J	20000	24990	104	75 - 125
Chromium	114		200	313.7	100	75 - 125
Cobalt	5.5	J	500	512.5	101	75 - 125
Copper	7.8	U	250	259.7	104	75 - 125
Iron	231		1000	1231	100	75 - 125
Lead	4.0	U	500	514.4	103	75 - 125
Magnesium	6900		20000	26030	96	75 - 125
Manganese	128		500	649.7	104	75 - 125
Nickel	331		500	829.9	100	75 - 125
Potassium	2750	J	20000	22350	98	75 - 125
Selenium	5.8	U	2000	1913	96	75 - 125
Silver	1.3	U	50.0	48.23	96	75 - 125
Sodium	20100		20000	39810	99	75 - 125
Thallium	5.2	U	2000	2106	105	75 - 125
Vanadium	4.0	U	500	492.2	98	75 - 125
Zinc	10.3	J	500	513.5	101	75 - 125

**Post Digestion Spike - Batch: 460-123227****Method: 6010B****Preparation: 3010A**

Lab Sample ID:	460-43269-H-4-A PDS	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1352	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	120	J	2000	2080	98	75 - 125
Antimony	7.4	U	500	480.2	96	75 - 125
Arsenic	3.7	U	2000	1914	96	75 - 125
Barium	257		2000	2238	99	75 - 125
Beryllium	0.78	U	50.0	49.93	100	75 - 125

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Post Digestion Spike - Batch: 460-123227

**Method: 6010B**

**Preparation: 3010A**

Lab Sample ID:	460-43269-H-4-A PDS	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1352	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.82	U	50.0	49.88	100	75 - 125	
Calcium	4250	J	20000	24660	102	75 - 125	
Chromium	114		200	312.1	99	75 - 125	
Cobalt	5.5	J	500	503.8	100	75 - 125	
Copper	7.8	U	250	254.8	102	75 - 125	
Iron	231		1000	1247	102	75 - 125	
Lead	4.0	U	500	503.6	101	75 - 125	
Magnesium	6900		20000	25980	95	75 - 125	
Manganese	128		500	640.3	102	75 - 125	
Nickel	331		500	822.2	98	75 - 125	
Potassium	2750	J	20000	22200	97	75 - 125	
Selenium	5.8	U	2000	1882	94	75 - 125	
Silver	1.3	U	50.0	47.55	95	75 - 125	
Sodium	20100		20000	39360	96	75 - 125	
Thallium	5.2	U	2000	2066	103	75 - 125	
Vanadium	4.0	U	500	482.2	96	75 - 125	
Zinc	10.3	J	500	505.6	99	75 - 125	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Duplicate - Batch: 460-123227

**Method: 6010B**

**Preparation: 3010A**

Lab Sample ID:	460-43269-H-4-B DU	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1337	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	120	J	105.5	12	20	J
Antimony	7.4	U	7.4	NC	20	U
Arsenic	3.7	U	3.7	NC	20	U
Barium	257		253.5	2	20	
Beryllium	0.78	U	0.78	NC	20	U
Cadmium	0.82	U	0.82	NC	20	U
Calcium	4250	J	4203	1	20	J
Chromium	114		113.2	0.4	20	
Cobalt	5.5	J	5.38	3	20	J
Copper	7.8	U	8.84	NC	20	J
Iron	231		227.7	2	20	
Lead	4.0	U	4.0	NC	20	U
Magnesium	6900		6842	0.8	20	
Manganese	128		126.7	1	20	
Nickel	331		325.8	2	20	
Potassium	2750	J	2593	6	20	J
Selenium	5.8	U	5.8	NC	20	U
Silver	1.3	U	1.3	NC	20	U
Sodium	20100		19880	1	20	
Thallium	5.2	U	5.2	NC	20	U
Vanadium	4.0	U	4.0	NC	20	U
Zinc	10.3	J	10.65	3	20	J

### Serial Dilution - Batch: 460-123227

**Method: 6010B**

**Preparation: 3010A**

Lab Sample ID:	460-43269-H-4-A SD ^5	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1345	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	120	J	361	NC	10	U
Antimony	7.4	U	36.8	NC	10	U
Arsenic	3.7	U	18.6	NC	10	U
Barium	257		253.1	NC	10	J
Beryllium	0.78	U	3.9	NC	10	U
Cadmium	0.82	U	4.1	NC	10	U
Calcium	4250	J	4121	NC	10	J

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Serial Dilution - Batch: 460-123227**

**Method: 6010B**

**Preparation: 3010A**

Lab Sample ID:	460-43269-H-4-A SD ^5	Analysis Batch:	460-123318	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-123227	Lab File ID:	08092012.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	08/09/2012 1345	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	08/09/2012 0812				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	114	111.0	NC	10	
Cobalt	5.5	J	21.4	NC	10
Copper	7.8	U	39.2	NC	10
Iron	231		368	NC	10
Lead	4.0	U	20.1	NC	10
Magnesium	6900		6810	NC	10
Manganese	128		126.8	NC	10
Nickel	331		330.2	0.18	10
Potassium	2750	J	2708	NC	10
Selenium	5.8	U	28.8	NC	10
Silver	1.3	U	6.7	NC	10
Sodium	20100		20160	NC	10
Thallium	5.2	U	26.2	NC	10
Vanadium	4.0	U	20.2	NC	10
Zinc	10.3	J	29.2	NC	10

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-124251****Method: 6010B****Preparation: 3050B**

Lab Sample ID:	MB 460-124251/1-A ^2	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	08/16/2012 2251	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	9.1	U	9.1	20.0
Antimony	0.62	U	0.62	1.0
Arsenic	0.47	U	0.47	0.50
Barium	0.57	U	0.57	20.0
Beryllium	0.072	U	0.072	0.20
Cadmium	0.074	U	0.074	0.50
Calcium	35.4	U	35.4	500
Chromium	0.43	U	0.43	1.0
Cobalt	0.43	U	0.43	5.0
Copper	0.97	U	0.97	2.5
Iron	6.1	U	6.1	15.0
Lead	0.43	U	0.43	0.50
Magnesium	36.0	U	36.0	500
Manganese	0.44	U	0.44	1.5
Nickel	0.44	U	0.44	4.0
Potassium	53.5	U	53.5	500
Selenium	0.66	U	0.66	1.0
Silver	0.10	U	0.10	1.0
Sodium	79.0	U	79.0	500
Thallium	0.57	U	0.57	1.0
Vanadium	0.38	U	0.38	5.0
Zinc	0.54	U	0.54	3.0

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**LCS-Certified Reference Material - Batch: 460-124251**

**Method: 6010B**

**Preparation: 3050B**

Lab Sample ID:	LCSSRM	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/16/2012 2241	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	9040	6311	69.8	43.3 - 156.8	
Antimony	117	188.5	161.8	20.8 - 252.5	
Arsenic	163	146.3	89.7	70.8 - 129.8	
Barium	207	186.9	90.4	73.2 - 126.8	
Beryllium	107	98.70	92.4	75.1 - 125.5	
Cadmium	100	95.15	95.1	73.0 - 126.2	
Calcium	6670	6511	97.6	74.4 - 125.8	
Chromium	116	109.5	94.8	69.7 - 129.4	
Cobalt	127	124.9	98.2	74.4 - 125.2	
Copper	115	108.9	95.0	74.6 - 124.6	
Iron	12600	11390	90.2	32.2 - 167.7	
Lead	74.7	72.19	96.7	68.7 - 131.3	
Magnesium	2700	2262	83.8	65.1 - 135.3	
Manganese	328	325.4	99.2	75.4 - 125.1	
Nickel	68.0	67.98	100.0	70.9 - 129.0	
Potassium	3040	2524	83.1	62.9 - 136.7	
Selenium	122	111.7	91.3	66.7 - 134.1	
Silver	41.1	36.33	88.5	66.2 - 134.0	J
Sodium	340	291.7	85.8	42.9 - 156.9	
Thallium	202	200.8	99.4	69.2 - 130.8	
Vanadium	84.6	78.23	92.5	63.1 - 136.6	
Zinc	268	252.0	94.1	71.4 - 128.6	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### **Matrix Spike - Batch: 460-124251**

**Method: 6010B**

**Preparation: 3050B**

Lab Sample ID:	460-43408-D-46-I MS ^4	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	08/16/2012 2230	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7450	206	10290	1380	75 - 125	4
Antimony	6.4	51.5	84.16	151	75 - 125	F
Arsenic	3.2	206	190.1	91	75 - 125	
Barium	115	206	318.3	99	75 - 125	
Beryllium	0.27	J	5.12	94	75 - 125	
Cadmium	1.8	5.15	7.91	119	75 - 125	
Calcium	1200	2060	3792	126	75 - 125	F
Chromium	16.0	20.6	40.84	120	75 - 125	
Cobalt	4.0	J	52.91	95	75 - 125	
Copper	24.3	25.8	56.86	126	75 - 125	F
Iron	13500	103	22430	8622	75 - 125	4
Lead	342	51.5	1826	2878	75 - 125	4
Magnesium	1030	J	2060	3181	75 - 125	
Manganese	137	51.5	227.2	174	75 - 125	F
Nickel	28.3	51.5	78.72	98	75 - 125	
Potassium	327	J	2060	2299	75 - 125	
Selenium	1.4	U	206	179.3	87	75 - 125
Silver	0.21	U	5.15	4.69	91	75 - 125
Sodium	164	U	2060	1961	95	75 - 125
Thallium	1.2	U	206	200.4	97	75 - 125
Vanadium	19.8	51.5	69.13	96	75 - 125	
Zinc	303	51.5	550.9	480	75 - 125	4

### **Post Digestion Spike - Batch: 460-124251**

**Method: 6010B**

**Preparation: 3050B**

Lab Sample ID:	460-43408-D-46-F PDS	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/16/2012 2234	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7450	416	7838	NC	75 - 125	
Antimony	6.4	104	98.53	89	75 - 125	
Arsenic	3.2	416	384.1	91	75 - 125	
Barium	115	416	508.0	94	75 - 125	
Beryllium	0.27	J	10.10	94	75 - 125	

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Post Digestion Spike - Batch: 460-124251****Method: 6010B****Preparation: 3050B**

Lab Sample ID:	460-43408-D-46-F PDS	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/16/2012 2234	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	1.8	10.4	11.62	94	75 - 125	
Calcium	1200	4160	5257	97	75 - 125	
Chromium	16.0	41.6	55.77	96	75 - 125	
Cobalt	4.0	J	102.1	94	75 - 125	
Copper	24.3	52.0	73.72	95	75 - 125	
Iron	13500	208	13680	NC	75 - 125	
Lead	342	104	435.7	90	75 - 125	
Magnesium	1030	J	4876	92	75 - 125	
Manganese	137	104	238.6	97	75 - 125	
Nickel	28.3	104	127.2	95	75 - 125	
Potassium	327	J	4201	93	75 - 125	
Selenium	1.4	U	370.4	89	75 - 125	
Silver	0.21	U	9.33	90	75 - 125	
Sodium	164	U	3964	95	75 - 125	
Thallium	1.2	U	406.6	98	75 - 125	
Vanadium	19.8	104	116.9	93	75 - 125	
Zinc	303	104	399.3	92	75 - 125	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Duplicate - Batch: 460-124251

**Method: 6010B**

**Preparation: 3050B**

Lab Sample ID:	460-43408-D-46-G DU	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	4.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	08/16/2012 2219	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Aluminum	7450		7810	5	20	
Antimony	6.4		7.74	20	20	
Arsenic	3.2		3.69	13	20	
Barium	115		128.9	12	20	
Beryllium	0.27	J	0.319	16	20	J
Cadmium	1.8		1.39	25	20	
Calcium	1200		1597	28	20	
Chromium	16.0		18.98	17	20	
Cobalt	4.0	J	4.20	4	20	J
Copper	24.3		19.89	20	20	
Iron	13500		13830	2	20	
Lead	342		358.4	5	20	
Magnesium	1030	J	1145	10	20	
Manganese	137		144.3	5	20	
Nickel	28.3		27.37	3	20	
Potassium	327	J	355.7	9	20	J
Selenium	1.4	U	1.4	NC	20	U
Silver	0.21	U	0.21	NC	20	U
Sodium	164	U	166	NC	20	U
Thallium	1.2	U	1.2	NC	20	U
Vanadium	19.8		21.84	10	20	
Zinc	303		249.1	20	20	

### Serial Dilution - Batch: 460-124251

**Method: 6010B**

**Preparation: 3050B**

Lab Sample ID:	460-43408-D-46-F SD	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/16/2012 2226	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	7450		7466	0.24	10	
Antimony	6.4		6.5	NC	10	U
Arsenic	3.2		4.9	NC	10	U
Barium	115		114.2	0.42	10	J
Beryllium	0.27	J	0.75	NC	10	U
Cadmium	1.8		1.77	NC	10	J
Calcium	1200		1186	NC	10	J

**Quality Control Results**

Client: URS Corporation

Job Number: 460-43235-1

**Serial Dilution - Batch: 460-124251****Method: 6010B****Preparation: 3050B**

Lab Sample ID:	460-43408-D-46-F SD	Analysis Batch:	460-124428	Instrument ID:	ICP4
Client Matrix:	Solid	Prep Batch:	460-124251	Lab File ID:	08162012A.asc
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	08/16/2012 2226	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	08/16/2012 0735				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Chromium	16.0		16.43	NC	10	
Cobalt	4.0	J	4.4	NC	10	U
Copper	24.3		20.39	NC	10	J
Iron	13500		13640	0.68	10	
Lead	342		344.6	0.64	10	
Magnesium	1030	J	1060	NC	10	J
Manganese	137		138.5	0.83	10	
Nickel	28.3		27.81	NC	10	J
Potassium	327	J	557	NC	10	U
Selenium	1.4	U	6.9	NC	10	U
Silver	0.21	U	1.0	NC	10	U
Sodium	164	U	822	NC	10	U
Thallium	1.2	U	5.9	NC	10	U
Vanadium	19.8		19.75	NC	10	J
Zinc	303		304.1	0.24	10	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-123474****Method: 7470A****Preparation: 7470A**

Lab Sample ID:	MB 460-123474/1-A	Analysis Batch:	460-123522	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-123474	Lab File ID:	123474hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/10/2012 1413	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/10/2012 1115				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

**Lab Control Sample - Batch: 460-123474****Method: 7470A****Preparation: 7470A**

Lab Sample ID:	LCS 460-123474/2-A	Analysis Batch:	460-123522	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-123474	Lab File ID:	123474hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/10/2012 1415	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/10/2012 1115				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.944	94	80 - 120	

**Matrix Spike - Batch: 460-123474****Method: 7470A****Preparation: 7470A**

Lab Sample ID:	460-43054-D-3-F MS	Analysis Batch:	460-123522	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-123474	Lab File ID:	123474hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/10/2012 1421	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/10/2012 1115				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.35	1.00	1.32	97	75 - 125	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Duplicate - Batch: 460-123474

**Method: 7470A**

**Preparation: 7470A**

Lab Sample ID:	460-43054-D-3-E DU	Analysis Batch:	460-123522	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-123474	Lab File ID:	123474hg1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/10/2012 1419	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/10/2012 1115				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Mercury	0.35	0.337	5	20	

### Serial Dilution - Batch: 460-123474

**Method: 7470A**

**Preparation: 7470A**

Lab Sample ID:	460-43054-D-3-D SD ^5	Analysis Batch:	460-123522	Instrument ID:	LEEMAN3
Client Matrix:	Water	Prep Batch:	460-123474	Lab File ID:	123474hg1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	08/10/2012 1506	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	08/10/2012 1115				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	0.35	0.80	NC	10	U

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Method Blank - Batch: 460-124374****Method: 7471A****Preparation: 7471A**

Lab Sample ID:	MB 460-124374/10-A	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2012 1915	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.022	U	0.022	0.033

**LCS-Certified Reference Material - Batch: 460-124374****Method: 7471A****Preparation: 7471A**

Lab Sample ID:	LCSSRM	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2012 1916	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.1	25.67	102.3	51.4 - 148.2	

**Matrix Spike - Batch: 460-124374****Method: 7471A****Preparation: 7471A**

Lab Sample ID:	460-43103-E-11-H MS	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2012 1922	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.033 J	0.192	0.238	107	75 - 125	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### Duplicate - Batch: 460-124374

**Method: 7471A**

**Preparation: 7471A**

Lab Sample ID:	460-43103-E-11-G DU	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2012 1921	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.033	J	0.0312	6	20	J

### Serial Dilution - Batch: 460-124374

**Method: 7471A**

**Preparation: 7471A**

Lab Sample ID:	460-43103-E-11-F SD	Analysis Batch:	460-124399	Instrument ID:	LEEMAN5
Client Matrix:	Solid	Prep Batch:	460-124374	Lab File ID:	124374HG1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	08/16/2012 2016	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	08/16/2012 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.033	J	0.13	NC		U

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

**Duplicate - Batch: 460-123113**

**Method: Moisture  
Preparation: N/A**

Lab Sample ID:	460-43228-A-4 DU	Analysis Batch:	460-123113	Instrument ID:	No Equipment
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/08/2012 1245	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	9.9	11.6	15	20	
Percent Solids	90.1	88.4	2	20	

## DATA REPORTING QUALIFIERS

Client: URS Corporation

Job Number: 460-43235-1

Lab Section	Qualifier	Description
GC/MS VOA	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	*	Recovery or RPD exceeds control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
Metals	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	F	MS/MSD Recovery or RPD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Prep Batch: 460-123168</b>					
460-43235-1	20120807SB-437V0-2N	T	Solid	5035	
460-43235-2	20120807SB-438V5-6N	T	Solid	5035	
460-43235-3	20120807SB-436V0-2N	T	Solid	5035	
460-43235-4	20120807SB-435V0-2N	T	Solid	5035	
<b>Analysis Batch:460-123595</b>					
LCS 460-123595/3	Lab Control Sample	T	Solid	8260B	
LCSD 460-123595/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-123595/5	Method Blank	T	Solid	8260B	
460-43235-1	20120807SB-437V0-2N	T	Solid	8260B	460-123168
460-43235-2	20120807SB-438V5-6N	T	Solid	8260B	460-123168
460-43235-3	20120807SB-436V0-2N	T	Solid	8260B	460-123168
460-43235-4	20120807SB-435V0-2N	T	Solid	8260B	460-123168
<b>Analysis Batch:460-124070</b>					
LCS 460-124070/3	Lab Control Sample	T	Water	8260B	
MB 460-124070/4	Method Blank	T	Water	8260B	
460-43235-5	20120807EB	T	Water	8260B	
460-43235-6	20120807TB	T	Water	8260B	
460-43296-D-1 MS	Matrix Spike	T	Water	8260B	
460-43296-D-1 MSD	Matrix Spike Duplicate	T	Water	8260B	

#### Report Basis

T = Total

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS Semi VOA</b>					
<b>Prep Batch: 460-123287</b>					
LCS 460-123287/2-A	Lab Control Sample	T	Water	3510C	
MB 460-123287/1-A	Method Blank	T	Water	3510C	
460-43235-5	20120807EB	T	Water	3510C	
460-43236-N-9-A MS	Matrix Spike	T	Water	3510C	
460-43236-M-9-A MSD	Matrix Spike Duplicate	T	Water	3510C	
<b>Prep Batch: 460-123428</b>					
LCS 460-123428/2-A	Lab Control Sample	T	Solid	3541	
MB 460-123428/1-A	Method Blank	T	Solid	3541	
460-43228-A-4-A MS	Matrix Spike	T	Solid	3541	
460-43228-A-4-B MSD	Matrix Spike Duplicate	T	Solid	3541	
460-43235-1	20120807SB-437V0-2N	T	Solid	3541	
460-43235-2	20120807SB-438V5-6N	T	Solid	3541	
460-43235-3	20120807SB-436V0-2N	T	Solid	3541	
460-43235-4	20120807SB-435V0-2N	T	Solid	3541	
<b>Analysis Batch:460-124158</b>					
LCS 460-123428/2-A	Lab Control Sample	T	Solid	8270C	460-123428
MB 460-123428/1-A	Method Blank	T	Solid	8270C	460-123428
460-43228-A-4-A MS	Matrix Spike	T	Solid	8270C	460-123428
460-43228-A-4-B MSD	Matrix Spike Duplicate	T	Solid	8270C	460-123428
460-43235-1	20120807SB-437V0-2N	T	Solid	8270C	460-123428
460-43235-3	20120807SB-436V0-2N	T	Solid	8270C	460-123428
<b>Analysis Batch:460-124292</b>					
LCS 460-123287/2-A	Lab Control Sample	T	Water	8270C	460-123287
MB 460-123287/1-A	Method Blank	T	Water	8270C	460-123287
460-43235-5	20120807EB	T	Water	8270C	460-123287
460-43236-N-9-A MS	Matrix Spike	T	Water	8270C	460-123287
460-43236-M-9-A MSD	Matrix Spike Duplicate	T	Water	8270C	460-123287
<b>Analysis Batch:460-124326</b>					
460-43235-2	20120807SB-438V5-6N	T	Solid	8270C	460-123428
460-43235-4	20120807SB-435V0-2N	T	Solid	8270C	460-123428

#### Report Basis

T = Total

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC Semi VOA</b>					
<b>Prep Batch: 460-123232</b>					
LCS 460-123232/2-A	Lab Control Sample	T	Solid	3541	
MB 460-123232/1-A	Method Blank	T	Solid	3541	
460-43235-1	20120807SB-437V0-2N	T	Solid	3541	
460-43235-2	20120807SB-438V5-6N	T	Solid	3541	
460-43235-3	20120807SB-436V0-2N	T	Solid	3541	
460-43235-4	20120807SB-435V0-2N	T	Solid	3541	
460-43235-4MS	Matrix Spike	T	Solid	3541	
460-43235-4MSD	Matrix Spike Duplicate	T	Solid	3541	
<b>Prep Batch: 460-123243</b>					
LCS 460-123243/2-A	Lab Control Sample	T	Water	3510C	
LCSD 460-123243/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 460-123243/1-A	Method Blank	T	Water	3510C	
460-43235-5	20120807EB	T	Water	3510C	
<b>Analysis Batch:460-123769</b>					
LCS 460-123232/2-A	Lab Control Sample	T	Solid	8081A	460-123232
MB 460-123232/1-A	Method Blank	T	Solid	8081A	460-123232
460-43235-4	20120807SB-435V0-2N	T	Solid	8081A	460-123232
460-43235-4MS	Matrix Spike	T	Solid	8081A	460-123232
460-43235-4MSD	Matrix Spike Duplicate	T	Solid	8081A	460-123232
<b>Analysis Batch:460-123908</b>					
460-43235-1	20120807SB-437V0-2N	T	Solid	8081A	460-123232
460-43235-2	20120807SB-438V5-6N	T	Solid	8081A	460-123232
460-43235-3	20120807SB-436V0-2N	T	Solid	8081A	460-123232
<b>Analysis Batch:460-124316</b>					
LCS 460-123243/2-A	Lab Control Sample	T	Water	8081A	460-123243
LCSD 460-123243/3-A	Lab Control Sample Duplicate	T	Water	8081A	460-123243
MB 460-123243/1-A	Method Blank	T	Water	8081A	460-123243
460-43235-5	20120807EB	T	Water	8081A	460-123243

#### Report Basis

T = Total

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 460-123227</b>					
LCS 460-123227/2-A	Lab Control Sample	T	Water	3010A	
MB 460-123227/1-A	Method Blank	T	Water	3010A	
460-43235-5	20120807EB	T	Water	3010A	
460-43269-H-4-B DU	Duplicate	T	Water	3010A	
460-43269-H-4-C MS	Matrix Spike	T	Water	3010A	
<b>Analysis Batch: 460-123318</b>					
LCS 460-123227/2-A	Lab Control Sample	T	Water	6010B	460-123227
MB 460-123227/1-A	Method Blank	T	Water	6010B	460-123227
460-43235-5	20120807EB	T	Water	6010B	460-123227
460-43269-H-4-B DU	Duplicate	T	Water	6010B	460-123227
460-43269-H-4-C MS	Matrix Spike	T	Water	6010B	460-123227
<b>Prep Batch: 460-123474</b>					
LCS 460-123474/2-A	Lab Control Sample	T	Water	7470A	
MB 460-123474/1-A	Method Blank	T	Water	7470A	
460-43054-D-3-E DU	Duplicate	T	Water	7470A	
460-43054-D-3-F MS	Matrix Spike	T	Water	7470A	
460-43235-5	20120807EB	T	Water	7470A	
<b>Analysis Batch: 460-123522</b>					
LCS 460-123474/2-A	Lab Control Sample	T	Water	7470A	460-123474
MB 460-123474/1-A	Method Blank	T	Water	7470A	460-123474
460-43054-D-3-E DU	Duplicate	T	Water	7470A	460-123474
460-43054-D-3-F MS	Matrix Spike	T	Water	7470A	460-123474
460-43235-5	20120807EB	T	Water	7470A	460-123474
<b>Prep Batch: 460-124251</b>					
LCSSRM 460-124251/2-A ^4	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-124251/1-A ^2	Method Blank	T	Solid	3050B	
460-43235-1	20120807SB-437V0-2N	T	Solid	3050B	
460-43235-2	20120807SB-438V5-6N	T	Solid	3050B	
460-43235-3	20120807SB-436V0-2N	T	Solid	3050B	
460-43235-4	20120807SB-435V0-2N	T	Solid	3050B	
460-43408-D-46-G DU ^4	Duplicate	T	Solid	3050B	
460-43408-D-46-I MS ^4	Matrix Spike	T	Solid	3050B	

## Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>Metals</b>					
<b>Prep Batch: 460-124374</b>					
LCSSRM 460-124374/11-A	LCS-Certified Reference Material	T	Solid	7471A	
MB 460-124374/10-A	Method Blank	T	Solid	7471A	
460-43103-E-11-G DU	Duplicate	T	Solid	7471A	
460-43103-E-11-H MS	Matrix Spike	T	Solid	7471A	
460-43235-1	20120807SB-437V0-2N	T	Solid	7471A	
460-43235-2	20120807SB-438V5-6N	T	Solid	7471A	
460-43235-3	20120807SB-436V0-2N	T	Solid	7471A	
460-43235-4	20120807SB-435V0-2N	T	Solid	7471A	
<b>Analysis Batch:460-124399</b>					
LCSSRM 460-124374/11-A	LCS-Certified Reference Material	T	Solid	7471A	460-124374
MB 460-124374/10-A	Method Blank	T	Solid	7471A	460-124374
460-43103-E-11-G DU	Duplicate	T	Solid	7471A	460-124374
460-43103-E-11-H MS	Matrix Spike	T	Solid	7471A	460-124374
460-43235-1	20120807SB-437V0-2N	T	Solid	7471A	460-124374
460-43235-2	20120807SB-438V5-6N	T	Solid	7471A	460-124374
460-43235-3	20120807SB-436V0-2N	T	Solid	7471A	460-124374
460-43235-4	20120807SB-435V0-2N	T	Solid	7471A	460-124374
<b>Analysis Batch:460-124428</b>					
LCSSRM 460-124251/2-A ^4	LCS-Certified Reference Material	T	Solid	6010B	460-124251
MB 460-124251/1-A ^2	Method Blank	T	Solid	6010B	460-124251
460-43235-1	20120807SB-437V0-2N	T	Solid	6010B	460-124251
460-43235-2	20120807SB-438V5-6N	T	Solid	6010B	460-124251
460-43235-3	20120807SB-436V0-2N	T	Solid	6010B	460-124251
460-43235-4	20120807SB-435V0-2N	T	Solid	6010B	460-124251
460-43408-D-46-G DU ^4	Duplicate	T	Solid	6010B	460-124251
460-43408-D-46-I MS ^4	Matrix Spike	T	Solid	6010B	460-124251

#### Report Basis

T = Total

### General Chemistry

<b>Analysis Batch:460-123113</b>					
460-43228-A-4 DU	Duplicate	T	Solid	Moisture	
460-43235-1	20120807SB-437V0-2N	T	Solid	Moisture	
460-43235-2	20120807SB-438V5-6N	T	Solid	Moisture	
460-43235-3	20120807SB-436V0-2N	T	Solid	Moisture	
460-43235-4	20120807SB-435V0-2N	T	Solid	Moisture	

#### Report Basis

T = Total

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

Lab ID: 460-43235-1

Client ID: 20120807SB-437V0-2N

Sample Date/Time: 08/07/2012 08:50 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-43235-C-1-A		460-123595	460-123168	08/08/2012 17:11	1	TAL EDI	FJ
A:8260B	460-43235-C-1-A		460-123595	460-123168	08/11/2012 02:48	1	TAL EDI	EM
P:3541	460-43235-E-1-B		460-124158	460-123428	08/10/2012 09:24	1	TAL EDI	hp
A:8270C	460-43235-E-1-B		460-124158	460-123428	08/15/2012 04:19	1	TAL EDI	CZ
P:3541	460-43235-E-1-A		460-123908	460-123232	08/09/2012 08:35	1	TAL EDI	ARA
A:8081A	460-43235-E-1-A		460-123908	460-123232	08/13/2012 22:33	1	TAL EDI	FM
P:3050B	460-43235-E-1-C ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	460-43235-E-1-C ^4		460-124428	460-124251	08/16/2012 23:52	4	TAL EDI	CDC
P:7471A	460-43235-E-1-D		460-124399	460-124374	08/16/2012 16:28	1	TAL EDI	TS
A:7471A	460-43235-E-1-D		460-124399	460-124374	08/16/2012 19:48	1	TAL EDI	TS
A:Moisture	460-43235-A-1		460-123113		08/08/2012 12:45	1	TAL EDI	RC

Lab ID: 460-43235-2

Client ID: 20120807SB-438V5-6N

Sample Date/Time: 08/07/2012 09:25 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-43235-C-2-A		460-123595	460-123168	08/08/2012 17:12	1	TAL EDI	FJ
A:8260B	460-43235-C-2-A		460-123595	460-123168	08/11/2012 04:03	1	TAL EDI	EM
P:3541	460-43235-E-2-B		460-124326	460-123428	08/10/2012 09:24	1	TAL EDI	hp
A:8270C	460-43235-E-2-B		460-124326	460-123428	08/16/2012 00:01	1	TAL EDI	MC
P:3541	460-43235-E-2-A		460-123908	460-123232	08/09/2012 08:35	1	TAL EDI	ARA
A:8081A	460-43235-E-2-A		460-123908	460-123232	08/13/2012 22:47	1	TAL EDI	FM
P:3050B	460-43235-E-2-C ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	460-43235-E-2-C ^4		460-124428	460-124251	08/16/2012 23:56	4	TAL EDI	CDC
P:7471A	460-43235-E-2-D		460-124399	460-124374	08/16/2012 16:28	1	TAL EDI	TS
A:7471A	460-43235-E-2-D		460-124399	460-124374	08/16/2012 19:50	1	TAL EDI	TS
A:Moisture	460-43235-A-2		460-123113		08/08/2012 12:45	1	TAL EDI	RC

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

**Lab ID:** 460-43235-3

**Client ID:** 20120807SB-436V0-2N

Sample Date/Time: 08/07/2012 09:45 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-43235-C-3-A		460-123595	460-123168	08/08/2012 17:13	1	TAL EDI	FJ
A:8260B	460-43235-C-3-A		460-123595	460-123168	08/11/2012 03:13	1	TAL EDI	EM
P:3541	460-43235-E-3-B		460-124158	460-123428	08/10/2012 09:24	1	TAL EDI	hp
A:8270C	460-43235-E-3-B		460-124158	460-123428	08/15/2012 04:40	1	TAL EDI	CZ
P:3541	460-43235-E-3-A		460-123908	460-123232	08/09/2012 08:35	1	TAL EDI	ARA
A:8081A	460-43235-E-3-A		460-123908	460-123232	08/13/2012 23:01	1	TAL EDI	FM
P:3050B	460-43235-E-3-C ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	460-43235-E-3-C ^4		460-124428	460-124251	08/17/2012 00:00	4	TAL EDI	CDC
P:7471A	460-43235-E-3-D		460-124399	460-124374	08/16/2012 16:28	1	TAL EDI	TS
A:7471A	460-43235-E-3-D		460-124399	460-124374	08/16/2012 19:52	1	TAL EDI	TS
A:Moisture	460-43235-A-3		460-123113		08/08/2012 12:45	1	TAL EDI	RC

**Lab ID:** 460-43235-4

**Client ID:** 20120807SB-435V0-2N

Sample Date/Time: 08/07/2012 10:40 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	460-43235-C-4-A		460-123595	460-123168	08/08/2012 17:14	1	TAL EDI	FJ
A:8260B	460-43235-C-4-A		460-123595	460-123168	08/11/2012 03:38	1	TAL EDI	EM
P:3541	460-43235-E-4-D		460-124326	460-123428	08/10/2012 09:24	1	TAL EDI	hp
A:8270C	460-43235-E-4-D		460-124326	460-123428	08/15/2012 22:59	1	TAL EDI	MC
P:3541	460-43235-E-4-C		460-123769	460-123232	08/09/2012 08:35	1	TAL EDI	ARA
A:8081A	460-43235-E-4-C		460-123769	460-123232	08/13/2012 08:59	1	TAL EDI	FM
P:3050B	460-43235-E-4-E ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	460-43235-E-4-E ^4		460-124428	460-124251	08/17/2012 00:03	4	TAL EDI	CDC
P:7471A	460-43235-E-4-F		460-124399	460-124374	08/16/2012 16:28	1	TAL EDI	TS
A:7471A	460-43235-E-4-F		460-124399	460-124374	08/16/2012 19:54	1	TAL EDI	TS
A:Moisture	460-43235-A-4		460-123113		08/08/2012 12:45	1	TAL EDI	RC

**Lab ID:** 460-43235-4 MS

**Client ID:** 20120807SB-435V0-2N

Sample Date/Time: 08/07/2012 10:40 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3541	460-43235-E-4-A MS		460-123769	460-123232	08/09/2012 08:35	1	TAL EDI	ARA
A:8081A	460-43235-E-4-A MS		460-123769	460-123232	08/13/2012 08:31	1	TAL EDI	FM

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

**Lab ID:** 460-43235-4 MSD

**Client ID:** 20120807SB-435V0-2N

Sample Date/Time: 08/07/2012 10:40 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis		Date Prepared / Analyzed		Dil	Lab	Analyst
			Batch	Prep Batch					
P:3541	460-43235-E-4-B MSD		460-123769	460-123232	08/09/2012 08:35		1	TAL EDI	ARA
A:8081A	460-43235-E-4-B MSD		460-123769	460-123232	08/13/2012 08:45		1	TAL EDI	FM

**Lab ID:** 460-43235-5

**Client ID:** 20120807EB

Sample Date/Time: 08/07/2012 12:15 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis		Date Prepared / Analyzed		Dil	Lab	Analyst
			Batch	Prep Batch					
P:5030B	460-43235-B-5		460-124070		08/14/2012 23:39		1	TAL EDI	CJM
A:8260B	460-43235-B-5		460-124070		08/14/2012 23:39		1	TAL EDI	CJM
P:3510C	460-43235-D-5-A		460-124292	460-123287	08/09/2012 13:03		1	TAL EDI	KVR
A:8270C	460-43235-D-5-A		460-124292	460-123287	08/14/2012 16:41		1	TAL EDI	MC
P:3510C	460-43235-E-5-A		460-124316	460-123243	08/09/2012 10:08		1	TAL EDI	HW
A:8081A	460-43235-E-5-A		460-124316	460-123243	08/16/2012 15:05		1	TAL EDI	FM
P:3010A	460-43235-C-5-A		460-123318	460-123227	08/09/2012 08:12		1	TAL EDI	QY
A:6010B	460-43235-C-5-A		460-123318	460-123227	08/09/2012 15:16		1	TAL EDI	CDC
P:7470A	460-43235-C-5-B		460-123522	460-123474	08/10/2012 11:15		1	TAL EDI	RBS
A:7470A	460-43235-C-5-B		460-123522	460-123474	08/10/2012 14:39		1	TAL EDI	RBS

**Lab ID:** 460-43235-6

**Client ID:** 20120807TB

Sample Date/Time: 08/07/2012 00:00 Received Date/Time: 08/07/2012 19:15

Method	Bottle ID	Run	Analysis		Date Prepared / Analyzed		Dil	Lab	Analyst
			Batch	Prep Batch					
P:5030B	460-43235-B-6		460-124070		08/15/2012 00:02		1	TAL EDI	CJM
A:8260B	460-43235-B-6		460-124070		08/15/2012 00:02		1	TAL EDI	CJM

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared / Analyzed		Dil	Lab	Analyst
			Batch	Prep Batch					
A:8260B	MB 460-123595/5		460-123595		08/11/2012 00:10		1	TAL EDI	EM
P:5030B	MB 460-124070/4		460-124070		08/14/2012 20:44		1	TAL EDI	CJM
A:8260B	MB 460-124070/4		460-124070		08/14/2012 20:44		1	TAL EDI	CJM
P:3510C	MB 460-123287/1-A		460-124292	460-123287	08/09/2012 13:03		1	TAL EDI	KVR
A:8270C	MB 460-123287/1-A		460-124292	460-123287	08/14/2012 15:13		1	TAL EDI	MC
P:3541	MB 460-123428/1-A		460-124158	460-123428	08/10/2012 09:24		1	TAL EDI	hp
A:8270C	MB 460-123428/1-A		460-124158	460-123428	08/15/2012 02:56		1	TAL EDI	CZ
P:3541	MB 460-123232/1-A		460-123769	460-123232	08/09/2012 08:35		1	TAL EDI	ARA
A:8081A	MB 460-123232/1-A		460-123769	460-123232	08/13/2012 10:51		1	TAL EDI	FM
P:3510C	MB 460-123243/1-A		460-124316	460-123243	08/09/2012 10:08		1	TAL EDI	HW
A:8081A	MB 460-123243/1-A		460-124316	460-123243	08/16/2012 16:28		1	TAL EDI	FM
P:3010A	MB 460-123227/1-A		460-123318	460-123227	08/09/2012 08:12		1	TAL EDI	QY
A:6010B	MB 460-123227/1-A		460-123318	460-123227	08/09/2012 13:30		1	TAL EDI	CDC
P:3050B	MB 460-124251/1-A		460-124428	460-124251	08/16/2012 07:35		2	TAL EDI	MC
A:6010B	MB 460-124251/1-A		460-124428	460-124251	08/16/2012 22:51		2	TAL EDI	CDC
A:6010B	MB 460-124251/1-A		460-124428	460-124251	08/16/2012 22:51		2	TAL EDI	CDC
P:7470A	MB 460-123474/1-A		460-123522	460-123474	08/10/2012 11:15		1	TAL EDI	RBS
A:7470A	MB 460-123474/1-A		460-123522	460-123474	08/10/2012 14:13		1	TAL EDI	RBS
P:7471A	MB 460-124374/10-A		460-124399	460-124374	08/16/2012 16:28		1	TAL EDI	TS
A:7471A	MB 460-124374/10-A		460-124399	460-124374	08/16/2012 19:15		1	TAL EDI	TS

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared / Analyzed		Dil	Lab	Analyst
			Batch	Prep Batch					
A:8260B	LCS 460-123595/3		460-123595		08/10/2012 21:38		1	TAL EDI	EM
P:5030B	LCS 460-124070/3		460-124070		08/14/2012 18:48		1	TAL EDI	CJM
A:8260B	LCS 460-124070/3		460-124070		08/14/2012 18:48		1	TAL EDI	CJM
P:3510C	LCS 460-123287/2-A		460-124292	460-123287	08/09/2012 13:03		1	TAL EDI	KVR
A:8270C	LCS 460-123287/2-A		460-124292	460-123287	08/14/2012 14:51		1	TAL EDI	MC
P:3541	LCS 460-123428/2-A		460-124158	460-123428	08/10/2012 09:24		1	TAL EDI	hp
A:8270C	LCS 460-123428/2-A		460-124158	460-123428	08/15/2012 09:50		1	TAL EDI	CZ
P:3541	LCS 460-123232/2-A		460-123769	460-123232	08/09/2012 08:35		1	TAL EDI	ARA
A:8081A	LCS 460-123232/2-A		460-123769	460-123232	08/13/2012 08:18		1	TAL EDI	FM
P:3510C	LCS 460-123243/2-A		460-124316	460-123243	08/09/2012 10:08		1	TAL EDI	HW
A:8081A	LCS 460-123243/2-A		460-124316	460-123243	08/16/2012 14:37		1	TAL EDI	FM
P:3010A	LCS 460-123227/2-A		460-123318	460-123227	08/09/2012 08:12		1	TAL EDI	QY
A:6010B	LCS 460-123227/2-A		460-123318	460-123227	08/09/2012 13:34		1	TAL EDI	CDC
P:7470A	LCS 460-123474/2-A		460-123522	460-123474	08/10/2012 11:15		1	TAL EDI	RBS
A:7470A	LCS 460-123474/2-A		460-123522	460-123474	08/10/2012 14:15		1	TAL EDI	RBS

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCSD 460-123595/4		460-123595		08/10/2012 22:43	1	TAL EDI	EM
P:3510C	LCSD 460-123243/3-A		460-124316	460-123243	08/09/2012 10:08	1	TAL EDI	HW
A:8081A	LCSD 460-123243/3-A		460-124316	460-123243	08/16/2012 14:51	1	TAL EDI	FM

Lab ID: LCSSRM

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM 460-124251/2-A ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	LCSSRM 460-124251/2-A ^4		460-124428	460-124251	08/16/2012 22:41	4	TAL EDI	CDC
P:7471A	LCSSRM 460-124374/11-A ^40		460-124399	460-124374	08/16/2012 16:28	40	TAL EDI	TS
A:7471A	LCSSRM 460-124374/11-A ^40		460-124399	460-124374	08/16/2012 19:16	40	TAL EDI	TS

Lab ID: MS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43296-D-1 MS		460-124070		08/15/2012 04:39	10	TAL EDI	CJM
A:8260B	460-43296-D-1 MS		460-124070		08/15/2012 04:39	10	TAL EDI	CJM
P:3510C	460-43236-N-9-A MS		460-124292	460-123287	08/09/2012 13:03	1	TAL EDI	KVR
A:8270C	460-43236-N-9-A MS		460-124292	460-123287	08/14/2012 15:57	1	TAL EDI	MC
P:3541	460-43228-A-4-A MS		460-124158	460-123428	08/10/2012 09:24	1	TAL EDI	hp
A:8270C	460-43228-A-4-A MS		460-124158	460-123428	08/15/2012 10:11	1	TAL EDI	CZ
P:3010A	460-43269-H-4-C MS		460-123318	460-123227	08/09/2012 08:12	1	TAL EDI	QY
A:6010B	460-43269-H-4-C MS		460-123318	460-123227	08/09/2012 13:48	1	TAL EDI	CDC
P:3050B	460-43408-D-46-I MS ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	460-43408-D-46-I MS ^4		460-124428	460-124251	08/16/2012 22:30	4	TAL EDI	CDC
P:7470A	460-43054-D-3-F MS		460-123522	460-123474	08/10/2012 11:15	1	TAL EDI	RBS
A:7470A	460-43054-D-3-F MS		460-123522	460-123474	08/10/2012 14:21	1	TAL EDI	RBS
P:7471A	460-43103-E-11-H MS		460-124399	460-124374	08/16/2012 16:28	1	TAL EDI	TS
A:7471A	460-43103-E-11-H MS		460-124399	460-124374	08/16/2012 19:22	1	TAL EDI	TS

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

Lab ID: MSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	460-43296-D-1 MSD		460-124070		08/15/2012 05:03	10	TAL EDI	CJM
A:8260B	460-43296-D-1 MSD		460-124070		08/15/2012 05:03	10	TAL EDI	CJM
P:3510C	460-43236-M-9-A MSD		460-124292	460-123287	08/09/2012 13:03	1	TAL EDI	KVR
A:8270C	460-43236-M-9-A MSD		460-124292	460-123287	08/14/2012 16:19	1	TAL EDI	MC
P:3541	460-43228-A-4-B MSD		460-124158	460-123428	08/10/2012 09:24	1	TAL EDI	hp
A:8270C	460-43228-A-4-B MSD		460-124158	460-123428	08/15/2012 10:32	1	TAL EDI	CZ

Lab ID: DU

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-43269-H-4-B DU		460-123318	460-123227	08/09/2012 08:12	1	TAL EDI	QY
A:6010B	460-43269-H-4-B DU		460-123318	460-123227	08/09/2012 13:37	1	TAL EDI	CDC
P:3050B	460-43408-D-46-G DU ^4		460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC
A:6010B	460-43408-D-46-G DU ^4		460-124428	460-124251	08/16/2012 22:19	4	TAL EDI	CDC
P:7470A	460-43054-D-3-E DU		460-123522	460-123474	08/10/2012 11:15	1	TAL EDI	RBS
A:7470A	460-43054-D-3-E DU		460-123522	460-123474	08/10/2012 14:19	1	TAL EDI	RBS
P:7471A	460-43103-E-11-G DU		460-124399	460-124374	08/16/2012 16:28	1	TAL EDI	TS
A:7471A	460-43103-E-11-G DU		460-124399	460-124374	08/16/2012 19:21	1	TAL EDI	TS
A:Moisture	460-43228-A-4 DU		460-123113		08/08/2012 12:45	1	TAL EDI	RC

# Quality Control Results

Client: URS Corporation

Job Number: 460-43235-1

## Laboratory Chronicle

Lab ID:	SD	Client ID:	N/A	Sample Date/Time:	N/A	Received Date/Time:	N/A	
Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	460-43269-H-4-A SD ^5	460-123318	460-123227	08/09/2012 08:12	5	TAL EDI	QY	
A:6010B	460-43269-H-4-A SD ^5	460-123318	460-123227	08/09/2012 13:45	5	TAL EDI	CDC	
P:3010A	460-43269-H-4-A PDS	460-123318	460-123227	08/09/2012 08:12	1	TAL EDI	QY	
A:6010B	460-43269-H-4-A PDS	460-123318	460-123227	08/09/2012 13:52	1	TAL EDI	CDC	
P:3050B	460-43408-D-46-F SD ^20	460-124428	460-124251	08/16/2012 07:35	20	TAL EDI	MC	
A:6010B	460-43408-D-46-F SD ^20	460-124428	460-124251	08/16/2012 22:26	20	TAL EDI	CDC	
P:3050B	460-43408-D-46-F PDS ^4	460-124428	460-124251	08/16/2012 07:35	4	TAL EDI	MC	
A:6010B	460-43408-D-46-F PDS ^4	460-124428	460-124251	08/16/2012 22:34	4	TAL EDI	CDC	
P:7470A	460-43054-D-3-D SD ^5	460-123522	460-123474	08/10/2012 11:15	5	TAL EDI	RBS	
A:7470A	460-43054-D-3-D SD ^5	460-123522	460-123474	08/10/2012 15:06	5	TAL EDI	RBS	
P:7471A	460-43103-E-11-F SD	460-124399	460-124374	08/16/2012 16:28	5	TAL EDI	TS	
A:7471A	460-43103-E-11-F SD	460-124399	460-124374	08/16/2012 20:16	5	TAL EDI	TS	

### Lab References:

TAL EDI = TestAmerica Edison

# **Method 8260B**

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**Volatile Organic Compounds (GC/MS)**  
**by Method 8260B**

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low  
GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
20120807SB-437V0-2 N	460-43235-1	96	98	98
20120807SB-438V5-6 N	460-43235-2	97	100	112
20120807SB-436V0-2 N	460-43235-3	93	97	98
20120807SB-435V0-2	460-43235-4	96	103	104
	MB 460-123595/5	92	98	102
	LCS 460-123595/3	94	98	99
	LCSD 460-123595/4	88	98	101

DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = Bromofluorobenzene

QC LIMITS  
70-130  
70-130  
70-130

# Column to be used to flag recovery values

FORM II 8260B

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): Rtx-624 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
20120807EB	460-43235-5	104	100	100
20120807TB	460-43235-6	102	101	99
	MB 460-124070/4	99	102	100
	LCS 460-124070/3	100	101	100
	460-43296-D-1 MS	104	101	100
	460-43296-D-1 MSD	101	100	101

DCA = 1,2-Dichloroethane-d4 (Surr) QC LIMITS  
TOL = Toluene-d8 (Surr) 70-130  
BFB = Bromofluorobenzene 70-130  
70-130

# Column to be used to flag recovery values

FORM II 8260B

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: o63294.d  
Lab ID: LCS 460-123595/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	17.3	87	50-151	
Bromomethane	20.0	19.5	97	54-142	
Vinyl chloride	20.0	19.2	96	67-133	
Chloroethane	20.0	23.6	118	56-146	
Methylene Chloride	20.0	23.2	116	74-137	
Acetone	20.0	23.4	117	27-164	
Carbon disulfide	20.0	14.2	71	72-128	*
Trichlorofluoromethane	20.0	19.1	95	61-139	
1,1-Dichloroethene	20.0	19.2	96	71-126	
1,1-Dichloroethane	20.0	20.3	102	76-125	
trans-1,2-Dichloroethene	20.0	20.0	100	75-122	
cis-1,2-Dichloroethene	20.0	20.6	103	80-120	
Chloroform	20.0	20.6	103	77-120	
2-Butanone	20.0	23.2	116	77-117	
1,2-Dichloroethane	20.0	20.3	101	76-118	
1,1,1-Trichloroethane	20.0	20.1	101	78-117	
Carbon tetrachloride	20.0	19.9	100	79-118	
Benzene	20.0	21.2	106	77-117	
Bromoform	20.0	19.5	97	59-125	
Styrene	20.0	21.3	106	82-122	
m&p-Xylene	40.0	42.0	105	81-121	
o-Xylene	20.0	20.6	103	82-122	
Ethylbenzene	20.0	20.8	104	81-121	
Chlorobenzene	20.0	20.8	104	80-120	
Cyclohexane	20.0	17.1	86	80-121	
Isopropylbenzene	20.0	20.6	103	65-129	
2-Hexanone	20.0	20.7	104	70-122	
MTBE	20.0	20.3	101	78-120	
Freon TF	20.0	17.6	88	73-123	
Methyl acetate	20.0	23.0	115	73-137	
1,4-Dioxane	150	164	109	69-131	
Trichloroethene	20.0	20.7	104	79-119	
Toluene	20.0	20.5	102	75-115	
trans-1,3-Dichloropropene	20.0	18.3	91	67-121	
4-Methyl-2-pentanone	20.0	21.9	109	68-120	
cis-1,3-Dichloropropene	20.0	22.3	112	80-123	
1,2-Dichlorobenzene	20.0	20.4	102	80-120	
1,3-Dichlorobenzene	20.0	20.2	101	80-120	
1,4-Dichlorobenzene	20.0	20.7	104	80-120	
1,2,4-Trichlorobenzene	20.0	20.7	103	80-120	
1,2,3-Trichlorobenzene	20.0	21.4	107	75-121	
1,2-Dichloropropane	20.0	21.8	109	82-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: o63294.d  
Lab ID: LCS 460-123595/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	17.4	87	78-118	
Tetrachloroethene	20.0	20.1	100	80-120	
1,2-Dibromo-3-Chloropropane	20.0	24.2	121	74-118	*
1,1,2,2-Tetrachloroethane	20.0	21.6	108	79-122	
1,1,2-Trichloroethane	20.0	21.7	108	73-118	
Dibromochloromethane	20.0	21.4	107	68-120	
1,2-Dibromoethane	20.0	21.9	110	75-117	
Dichlorodifluoromethane	20.0	16.5	82	52-144	
Bromochloromethane	20.0	20.2	101	74-125	
Bromodichloromethane	20.0	21.2	106	79-119	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: c69976.d  
Lab ID: LCS 460-124070/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Chloromethane	20.0	16.9	85	58-146	
Bromomethane	20.0	21.8	109	55-153	
Vinyl chloride	20.0	17.4	87	61-144	
Chloroethane	20.0	19.3	96	69-145	
Methylene Chloride	20.0	21.0	105	79-119	
Acetone	20.0	24.1	121	45-156	
Carbon disulfide	20.0	15.9	80	58-139	
Trichlorofluoromethane	20.0	16.6	83	69-147	
1,1-Dichloroethene	20.0	19.6	98	56-139	
1,1-Dichloroethane	20.0	20.0	100	78-122	
trans-1,2-Dichloroethene	20.0	19.5	98	75-122	
cis-1,2-Dichloroethene	20.0	20.6	103	80-120	
Chloroform	20.0	20.1	100	82-123	
2-Butanone	20.0	19.2	96	65-114	
1,2-Dichloroethane	20.0	18.6	93	74-118	
1,1,1-Trichloroethane	20.0	20.0	100	74-128	
Carbon tetrachloride	20.0	18.8	94	73-120	
Benzene	20.0	20.1	101	83-124	
Bromoform	20.0	19.3	96	73-123	
Styrene	20.0	20.8	104	69-112	
m&p-Xylene	40.0	39.5	99	76-120	
o-Xylene	20.0	20.4	102	78-118	
Ethylbenzene	20.0	21.0	105	79-126	
Chlorobenzene	20.0	19.7	99	81-121	
Cyclohexane	20.0	14.8	74	58-133	
Isopropylbenzene	20.0	20.5	103	80-125	
2-Hexanone	20.0	20.3	102	53-121	
MTBE	20.0	19.7	98	71-115	
Freon TF	20.0	16.5	83	47-139	
Methyl acetate	20.0	19.7	99	50-151	
1,4-Dioxane	150	145	97	52-126	
Trichloroethene	20.0	19.0	95	78-119	
Toluene	20.0	19.9	99	80-120	
trans-1,3-Dichloropropene	20.0	19.2	96	78-118	
4-Methyl-2-pentanone	20.0	20.3	102	53-120	
cis-1,3-Dichloropropene	20.0	19.7	99	80-120	
1,2-Dichlorobenzene	20.0	20.1	101	82-122	
1,3-Dichlorobenzene	20.0	21.0	105	81-126	
1,4-Dichlorobenzene	20.0	19.7	98	83-123	
1,2,4-Trichlorobenzene	20.0	19.2	96	66-120	
1,2,3-Trichlorobenzene	20.0	22.4	112	76-123	
1,2-Dichloropropane	20.0	20.3	102	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: c69976.d  
Lab ID: LCS 460-124070/3 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylcyclohexane	20.0	13.9	69	61-129	
Tetrachloroethene	20.0	19.3	96	68-139	
1,2-Dibromo-3-Chloropropane	20.0	16.9	85	70-116	
1,1,2,2-Tetrachloroethane	20.0	19.8	99	74-126	
1,1,2-Trichloroethane	20.0	20.1	101	79-119	
Dibromochloromethane	20.0	19.7	98	80-120	
1,2-Dibromoethane	20.0	19.7	99	78-118	
Dichlorodifluoromethane	20.0	15.2	76	46-145	
Bromochloromethane	20.0	18.6	93	80-121	
Bromodichloromethane	20.0	19.5	98	79-119	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: o63295.d

Lab ID: LCSD 460-123595/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloromethane	20.0	19.4	97	11	30	50-151	
Bromomethane	20.0	20.7	104	6	30	54-142	
Vinyl chloride	20.0	20.9	105	9	30	67-133	
Chloroethane	20.0	23.8	119	1	30	56-146	
Methylene Chloride	20.0	20.9	104	11	30	74-137	
Acetone	20.0	23.4	117	0	30	27-164	
Carbon disulfide	20.0	15.5	78	9	30	72-128	
Trichlorofluoromethane	20.0	21.7	109	13	30	61-139	
1,1-Dichloroethene	20.0	19.4	97	1	30	71-126	
1,1-Dichloroethane	20.0	19.5	97	4	30	76-125	
trans-1,2-Dichloroethene	20.0	19.2	96	4	30	75-122	
cis-1,2-Dichloroethene	20.0	19.9	99	3	30	80-120	
Chloroform	20.0	19.5	97	6	30	77-120	
2-Butanone	20.0	22.4	112	4	30	77-117	
1,2-Dichloroethane	20.0	19.0	95	6	30	76-118	
1,1,1-Trichloroethane	20.0	19.6	98	3	30	78-117	
Carbon tetrachloride	20.0	19.1	96	4	30	79-118	
Benzene	20.0	20.6	103	3	30	77-117	
Bromoform	20.0	18.1	91	7	30	59-125	
Styrene	20.0	20.8	104	2	30	82-122	
m&p-Xylene	40.0	41.7	104	1	30	81-121	
o-Xylene	20.0	20.3	102	1	30	82-122	
Ethylbenzene	20.0	20.0	100	4	30	81-121	
Chlorobenzene	20.0	20.1	101	3	30	80-120	
Cyclohexane	20.0	19.5	98	13	30	80-121	
Isopropylbenzene	20.0	20.4	102	1	30	65-129	
2-Hexanone	20.0	23.6	118	13	30	70-122	
MTBE	20.0	22.9	115	12	30	78-120	
Freon TF	20.0	21.0	105	17	30	73-123	
Methyl acetate	20.0	26.0	130	12	30	73-137	
1,4-Dioxane	150	134	89	20	30	69-131	
Trichloroethene	20.0	21.3	106	3	30	79-119	
Toluene	20.0	20.2	101	1	30	75-115	
trans-1,3-Dichloropropene	20.0	18.7	93	2	30	67-121	
4-Methyl-2-pentanone	20.0	23.3	116	6	30	68-120	
cis-1,3-Dichloropropene	20.0	21.7	108	3	30	80-123	
1,2-Dichlorobenzene	20.0	20.3	101	1	30	80-120	
1,3-Dichlorobenzene	20.0	20.6	103	2	30	80-120	
1,4-Dichlorobenzene	20.0	20.6	103	1	30	80-120	
1,2,4-Trichlorobenzene	20.0	20.8	104	0	30	80-120	
1,2,3-Trichlorobenzene	20.0	20.8	104	2	30	75-121	
1,2-Dichloropropane	20.0	20.9	105	4	30	82-122	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: o63295.d

Lab ID: LCSD 460-123595/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCSD CONCENTRATION (ug/Kg)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	20.0	21.5	108	21	30	78-118	
Tetrachloroethene	20.0	20.5	103	2	30	80-120	
1,2-Dibromo-3-Chloropropane	20.0	22.9	114	6	30	74-118	
1,1,2,2-Tetrachloroethane	20.0	21.3	107	1	30	79-122	
1,1,2-Trichloroethane	20.0	20.8	104	4	30	73-118	
Dibromochloromethane	20.0	21.1	105	2	30	68-120	
1,2-Dibromoethane	20.0	20.8	104	5	30	75-117	
Dichlorodifluoromethane	20.0	19.1	96	15	30	52-144	
Bromochloromethane	20.0	18.8	94	7	30	74-125	
Bromodichloromethane	20.0	19.9	100	6	30	79-119	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: c69999.d  
Lab ID: 460-43296-D-1 MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Chloromethane	200	0.10 U	191	96	58-146	
Bromomethane	200	0.18 U	254	127	55-153	
Vinyl chloride	200	0.14 U	199	99	61-144	
Chloroethane	200	0.17 U	187	93	69-145	
Methylene Chloride	200	0.18 U	199	100	79-119	
Acetone	200	12	208	98	45-156	
Carbon disulfide	200	4.1	139	68	58-139	
Trichlorofluoromethane	200	0.15 U	211	106	69-147	
1,1-Dichloroethene	200	0.090 U	192	96	56-139	
1,1-Dichloroethane	200	0.13 U	185	92	78-122	
trans-1,2-Dichloroethene	200	0.13 U	170	85	75-122	
cis-1,2-Dichloroethene	200	0.18 U	190	95	80-120	
Chloroform	200	0.080 U	200	100	82-123	
2-Butanone	200	2.3 U	183	91	65-114	
1,2-Dichloroethane	200	0.19 U	183	91	74-118	
1,1,1-Trichloroethane	200	0.060 U	197	99	74-128	
Carbon tetrachloride	200	0.060 U	193	97	73-120	
Benzene	200	0.080 U	183	91	83-124	
Bromoform	200	0.19 U	181	90	73-123	
Styrene	200	0.12 U	193	96	69-112	
m&p-Xylene	400	0.25 U	382	96	76-120	
o-Xylene	200	0.13 U	193	97	78-118	
Ethylbenzene	200	0.10 U	200	100	79-126	
Chlorobenzene	200	0.11 U	192	96	81-121	
Cyclohexane	200	0.16 U	164	82	58-133	
Isopropylbenzene	200	0.080 U	198	99	80-125	
2-Hexanone	200	0.50 U	179	89	53-121	
MTBE	200	0.14 U	179	90	71-115	
Freon TF	200	0.080 U	190	95	47-139	
Methyl acetate	200	0.34 U	156	78	50-151	
1,4-Dioxane	1500	36 U	1140	76	52-126	
Trichloroethene	200	0.090 U	178	89	78-119	
Toluene	200	0.15 U	189	94	80-120	
trans-1,3-Dichloropropene	200	0.24 U	175	87	78-118	
4-Methyl-2-pentanone	200	0.99 U	192	96	53-120	
cis-1,3-Dichloropropene	200	0.18 U	187	94	80-120	
1,2-Dichlorobenzene	200	0.21 U	185	92	82-122	
1,3-Dichlorobenzene	200	0.14 U	194	97	81-126	
1,4-Dichlorobenzene	200	0.23 U	193	96	83-123	
1,2,4-Trichlorobenzene	200	0.34 U	182	91	66-120	
1,2,3-Trichlorobenzene	200	0.51 U	185	92	76-123	
1,2-Dichloropropane	200	0.090 U	192	96	80-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: c69999.d  
Lab ID: 460-43296-D-1 MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylcyclohexane	200	0.14 U	169	84	61-129	
Tetrachloroethene	200	0.10 U	187	93	68-139	
1,2-Dibromo-3-Chloropropane	200	0.40 U	178	89	70-116	
1,1,2,2-Tetrachloroethane	200	0.16 U	194	97	74-126	
1,1,2-Trichloroethane	200	0.19 U	190	95	79-119	
Dibromochloromethane	200	0.20 U	187	93	80-120	
1,2-Dibromoethane	200	0.28 U	179	89	78-118	
Dichlorodifluoromethane	200	0.22 U	204	102	46-145	
Bromochloromethane	200	0.27 U	177	88	80-121	
Bromodichloromethane	200	0.12 U	194	97	79-119	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: c70000.d

Lab ID: 460-43296-D-1 MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Chloromethane	200	210	105	10	30	58-146	
Bromomethane	200	286	143	12	30	55-153	
Vinyl chloride	200	228	114	14	30	61-144	
Chloroethane	200	214	107	14	30	69-145	
Methylene Chloride	200	208	104	4	30	79-119	
Acetone	200	237	113	13	30	45-156	
Carbon disulfide	200	151	74	8	30	58-139	
Trichlorofluoromethane	200	226	113	7	30	69-147	
1,1-Dichloroethene	200	210	105	9	30	56-139	
1,1-Dichloroethane	200	198	99	7	30	78-122	
trans-1,2-Dichloroethene	200	184	92	8	30	75-122	
cis-1,2-Dichloroethene	200	205	103	8	30	80-120	
Chloroform	200	217	108	8	30	82-123	
2-Butanone	200	175	87	4	30	65-114	
1,2-Dichloroethane	200	195	97	6	30	74-118	
1,1,1-Trichloroethane	200	207	103	5	30	74-128	
Carbon tetrachloride	200	203	101	5	30	73-120	
Benzene	200	194	97	6	30	83-124	
Bromoform	200	189	94	4	30	73-123	
Styrene	200	203	101	5	30	69-112	
m&p-Xylene	400	387	97	1	30	76-120	
o-Xylene	200	198	99	2	30	78-118	
Ethylbenzene	200	210	105	5	30	79-126	
Chlorobenzene	200	199	99	3	30	81-121	
Cyclohexane	200	173	86	5	30	58-133	
Isopropylbenzene	200	211	105	6	30	80-125	
2-Hexanone	200	186	93	4	30	53-121	
MTBE	200	197	98	9	30	71-115	
Freon TF	200	207	104	8	30	47-139	
Methyl acetate	200	167	83	7	30	50-151	
1,4-Dioxane	1500	1370	91	18	30	52-126	
Trichloroethene	200	199	99	11	30	78-119	
Toluene	200	192	96	2	30	80-120	
trans-1,3-Dichloropropene	200	186	93	6	30	78-118	
4-Methyl-2-pentanone	200	201	100	5	30	53-120	
cis-1,3-Dichloropropene	200	192	96	2	30	80-120	
1,2-Dichlorobenzene	200	207	104	11	30	82-122	
1,3-Dichlorobenzene	200	210	105	8	30	81-126	
1,4-Dichlorobenzene	200	201	101	4	30	83-123	
1,2,4-Trichlorobenzene	200	207	103	13	30	66-120	
1,2,3-Trichlorobenzene	200	224	112	19	30	76-123	
1,2-Dichloropropane	200	202	101	5	30	80-120	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: c70000.d

Lab ID: 460-43296-D-1 MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Methylcyclohexane	200	182	91	7	30	61-129	
Tetrachloroethene	200	191	96	2	30	68-139	
1,2-Dibromo-3-Chloropropane	200	191	95	7	30	70-116	
1,1,2,2-Tetrachloroethane	200	208	104	7	30	74-126	
1,1,2-Trichloroethane	200	201	101	6	30	79-119	
Dibromochloromethane	200	200	100	7	30	80-120	
1,2-Dibromoethane	200	187	93	4	30	78-118	
Dichlorodifluoromethane	200	222	111	9	30	46-145	
Bromochloromethane	200	182	91	3	30	80-121	
Bromodichloromethane	200	201	100	3	30	79-119	

# Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: o63298.d Lab Sample ID: MB 460-123595/5  
Matrix: Solid Heated Purge: (Y/N) Y  
Instrument ID: VOAMS12 Date Analyzed: 08/11/2012 00:10  
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-123595/3	o63294.d	08/10/2012 21:38
	LCSD 460-123595/4	o63295.d	08/10/2012 22:43
20120807SB-437V0-2N	460-43235-1	o63304.d	08/11/2012 02:48
20120807SB-436V0-2N	460-43235-3	o63305.d	08/11/2012 03:13
20120807SB-435V0-2N	460-43235-4	o63306.d	08/11/2012 03:38
20120807SB-438V5-6N	460-43235-2	o63307.d	08/11/2012 04:03

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: c69979.d Lab Sample ID: MB 460-124070/4  
Matrix: Water Heated Purge: (Y/N) N  
Instrument ID: VOAMS3 Date Analyzed: 08/14/2012 20:44  
GC Column: Rtx-624 ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20120807EB	LCS 460-124070/3	c69976.d	08/14/2012 18:48
20120807TB	460-43235-5	c69986.d	08/14/2012 23:39
	460-43235-6	c69987.d	08/15/2012 00:02
	460-43296-D-1 MS	c69999.d	08/15/2012 04:39
	460-43296-D-1 MSD	c70000.d	08/15/2012 05:03

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: o62497.d BFB Injection Date: 07/20/2012  
Instrument ID: VOAMS12 BFB Injection Time: 22:55  
Analysis Batch No.: 121151

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.3
75	30.0 - 60.0 % of mass 95	47.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.9 (0.9)1
174	50.0 - 120.00 % of mass 95	96.6
175	5.0 - 9.0 % of mass 174	7.2 (7.5)1
176	95.0 - 101.0 % of mass 174	97.3 (100.8)1
177	5.0 - 9.0 % of mass 176	5.7 (5.9)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 460-121151/2	o62499.d	07/21/2012	00:10
	IC 460-121151/3	o62501.d	07/21/2012	01:00
	ICIS 460-121151/4	o62502.d	07/21/2012	01:25
	IC 460-121151/5	o62503.d	07/21/2012	01:50
	IC 460-121151/6	o62504.d	07/21/2012	02:15
	IC 460-121151/7	o62505.d	07/21/2012	02:40

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: o63291.d BFB Injection Date: 08/10/2012  
Instrument ID: VOAMS12 BFB Injection Time: 19:57  
Analysis Batch No.: 123595

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.2
75	30.0 - 60.0 % of mass 95	46.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.2 (0.2)1
174	50.0 - 120.00 % of mass 95	88.3
175	5.0 - 9.0 % of mass 174	7.1 (8.0)1
176	95.0 - 101.0 % of mass 174	87.4 (99.0)1
177	5.0 - 9.0 % of mass 176	5.8 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-123595/2	o63292.d	08/10/2012	20:48
	LCS 460-123595/3	o63294.d	08/10/2012	21:38
	LCSD 460-123595/4	o63295.d	08/10/2012	22:43
	MB 460-123595/5	o63298.d	08/11/2012	00:10
20120807SB-437V0-2N	460-43235-1	o63304.d	08/11/2012	02:48
20120807SB-436V0-2N	460-43235-3	o63305.d	08/11/2012	03:13
20120807SB-435V0-2N	460-43235-4	o63306.d	08/11/2012	03:38
20120807SB-438V5-6N	460-43235-2	o63307.d	08/11/2012	04:03

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab File ID: c69952.d BFB Injection Date: 08/14/2012

Instrument ID: VOAMS3 BFB Injection Time: 06:44

Analysis Batch No.: 124069

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.9
75	30.0 - 60.0 % of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	5.6
173	Less than 2.0 % of mass 174	1.5 (1.6)1
174	50.0 - 120.00 % of mass 95	91.9
175	5.0 - 9.0 % of mass 174	7.6 (8.2)1
176	95.0 - 101.0 % of mass 174	92.5 (100.7)1
177	5.0 - 9.0 % of mass 176	6.1 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-124069/2	c69957.d	08/14/2012	08:47
	IC 460-124069/3	c69958.d	08/14/2012	09:11
	IC 460-124069/4	c69959.d	08/14/2012	09:34
	IC 460-124069/5	c69960.d	08/14/2012	09:57
	IC 460-124069/6	c69970.d	08/14/2012	15:41
	IC 460-124069/7	c69971.d	08/14/2012	16:08

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab File ID: c69974.d BFB Injection Date: 08/14/2012

Instrument ID: VOAMS3 BFB Injection Time: 18:06

Analysis Batch No.: 124070

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.8
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	93.7
175	5.0 - 9.0 % of mass 174	7.1 (7.6)1
176	95.0 - 101.0 % of mass 174	94.0 (100.4)1
177	5.0 - 9.0 % of mass 176	7.7 (8.2)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-124070/2	c69975.d	08/14/2012	18:24
	LCS 460-124070/3	c69976.d	08/14/2012	18:48
	MB 460-124070/4	c69979.d	08/14/2012	20:44
20120807EB	460-43235-5	c69986.d	08/14/2012	23:39
20120807TB	460-43235-6	c69987.d	08/15/2012	00:02
	460-43296-D-1 MS	c69999.d	08/15/2012	04:39
	460-43296-D-1 MSD	c70000.d	08/15/2012	05:03

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-123595/2 Date Analyzed: 08/10/2012 20:48  
Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm)  
Lab File ID (Standard): o63292.d Heated Purge: (Y/N) Y  
Calibration ID: 16505

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	464622	3.70	360866	7.27	206943	10.94	
UPPER LIMIT	929244	4.20	721732	7.77	413886	11.44	
LOWER LIMIT	232311	3.20	180433	6.77	103472	10.44	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-123595/3		499735	3.71	392598	7.27	230772	10.94
LCSD 460-123595/4		547790	3.70	422113	7.27	237061	10.94
MB 460-123595/5		507787	3.71	389822	7.27	227669	10.94
460-43235-1	20120807SB-437V0-2N	468039	3.71	371967	7.27	218074	10.94
460-43235-3	20120807SB-436V0-2N	488103	3.71	371934	7.27	216053	10.94
460-43235-4	20120807SB-435V0-2N	483612	3.71	367719	7.27	211334	10.94
460-43235-2	20120807SB-438V5-6N	427177	3.71	358591	7.27	177871	10.94

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124070/2 Date Analyzed: 08/14/2012 18:24  
Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm)  
Lab File ID (Standard): c69975.d Heated Purge: (Y/N) N  
Calibration ID: 16904

	FB		CBZ		DCB	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	544900	5.82	428187	8.72	229813	10.49
UPPER LIMIT	1089800	6.32	856374	9.22	459626	10.99
LOWER LIMIT	272450	5.32	214094	8.22	114907	9.99
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-124070/3		550333	5.81	434869	8.73	227349
MB 460-124070/4		534121	5.81	415603	8.72	218810
460-43235-5	20120807EB	513573	5.82	407733	8.73	210527
460-43235-6	20120807TB	525667	5.82	414452	8.73	218888
460-43296-D-1 MS		514306	5.82	409158	8.73	218645
460-43296-D-1 MSD		500444	5.82	400501	8.72	210595

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-437V0-2N Lab Sample ID: 460-43235-1  
Matrix: Solid Lab File ID: o63304.d  
Analysis Method: 8260B Date Collected: 08/07/2012 08:50  
Sample wt/vol: 4.16(g) Date Analyzed: 08/11/2012 02:48  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 4.2 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.20	U	1.3	0.20
74-83-9	Bromomethane	0.54	U	1.3	0.54
75-01-4	Vinyl chloride	0.43	U	1.3	0.43
75-00-3	Chloroethane	0.41	U	1.3	0.41
75-09-2	Methylene Chloride	0.23	J	1.3	0.19
67-64-1	Acetone	2.1	U	13	2.1
75-15-0	Carbon disulfide	0.19	U *	1.3	0.19
75-69-4	Trichlorofluoromethane	0.20	U	1.3	0.20
75-35-4	1,1-Dichloroethene	0.24	U	1.3	0.24
75-34-3	1,1-Dichloroethane	0.14	U	1.3	0.14
156-60-5	trans-1,2-Dichloroethene	0.16	U	1.3	0.16
156-59-2	cis-1,2-Dichloroethene	0.14	U	1.3	0.14
67-66-3	Chloroform	0.30	U	1.3	0.30
78-93-3	2-Butanone	0.79	U	13	0.79
107-06-2	1,2-Dichloroethane	0.23	U	1.3	0.23
71-55-6	1,1,1-Trichloroethane	0.16	U	1.3	0.16
56-23-5	Carbon tetrachloride	0.19	U	1.3	0.19
71-43-2	Benzene	0.19	U	1.3	0.19
75-25-2	Bromoform	0.21	U	1.3	0.21
100-42-5	Styrene	0.35	U	1.3	0.35
179601-23-1	m&p-Xylene	0.74	U	2.5	0.74
95-47-6	o-Xylene	0.24	U	1.3	0.24
100-41-4	Ethylbenzene	0.21	U	1.3	0.21
108-90-7	Chlorobenzene	0.23	U	1.3	0.23
110-82-7	Cyclohexane	0.16	U	1.3	0.16
98-82-8	Isopropylbenzene	0.14	U	1.3	0.14
591-78-6	2-Hexanone	0.16	U	13	0.16
1634-04-4	MTBE	0.14	U	1.3	0.14
76-13-1	Freon TF	0.14	U	1.3	0.14
79-20-9	Methyl acetate	0.40	U	1.3	0.40
123-91-1	1,4-Dioxane	16	U	63	16
79-01-6	Trichloroethene	0.15	U	1.3	0.15
108-88-3	Toluene	0.18	U	1.3	0.18
10061-02-6	trans-1,3-Dichloropropene	0.13	U	1.3	0.13
108-10-1	4-Methyl-2-pentanone	0.25	U	13	0.25
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.3	0.18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-437V0-2N Lab Sample ID: 460-43235-1  
Matrix: Solid Lab File ID: o63304.d  
Analysis Method: 8260B Date Collected: 08/07/2012 08:50  
Sample wt/vol: 4.16(g) Date Analyzed: 08/11/2012 02:48  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 4.2 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.13	U	1.3	0.13
541-73-1	1,3-Dichlorobenzene	0.20	U	1.3	0.20
106-46-7	1,4-Dichlorobenzene	0.14	U	1.3	0.14
120-82-1	1,2,4-Trichlorobenzene	0.24	U	1.3	0.24
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1.3	0.20
78-87-5	1,2-Dichloropropane	0.19	U	1.3	0.19
108-87-2	Methylcyclohexane	0.13	U	1.3	0.13
127-18-4	Tetrachloroethene	0.29	J	1.3	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	0.55	U *	1.3	0.55
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U	1.3	0.11
79-00-5	1,1,2-Trichloroethane	0.18	U	1.3	0.18
124-48-1	Dibromochloromethane	0.13	U	1.3	0.13
106-93-4	1,2-Dibromoethane	0.19	U	1.3	0.19
75-71-8	Dichlorodifluoromethane	0.28	U	1.3	0.28
74-97-5	Bromochloromethane	0.14	U	1.3	0.14
75-27-4	Bromodichloromethane	0.40	U	1.3	0.40

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130
460-00-4	Bromofluorobenzene	98		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63304.d  
Report Date: 14-Aug-2012 10:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63304.d  
Lab Smp Id: 460-43235-C-1-A Client Smp ID: 20120807SB-437V0-2N  
Inj Date : 11-AUG-2012 02:48  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : 460-43235-C-1-A;;4.16;5  
Misc Info : 460-43235-C-1-A  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 13  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.16000	Weight of sample extracted (g)
M	4.18327	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
6 Methylene Chloride	84		1.904	1.897 (0.513)		558	0.18265	0.23(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65		3.408	3.408 (0.919)		92182	47.9353	60
* 69 Fluorobenzene	96		3.709	3.702 (1.000)		468039	50.0000	
\$ 37 Toluene-d8 (SUR)	98		5.385	5.385 (0.741)		368885	48.8938	61
35 Tetrachloroethene	166		6.130	6.130 (0.843)		997	0.23336	0.29(a)
* 32 Chlorobenzene-d5	117		7.269	7.269 (1.000)		371967	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174		9.074	9.074 (0.830)		149833	49.0452	62
* 91 1,4-Dichlorobenzene-d4	152		10.937	10.937 (1.000)		218074	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: o63304.d

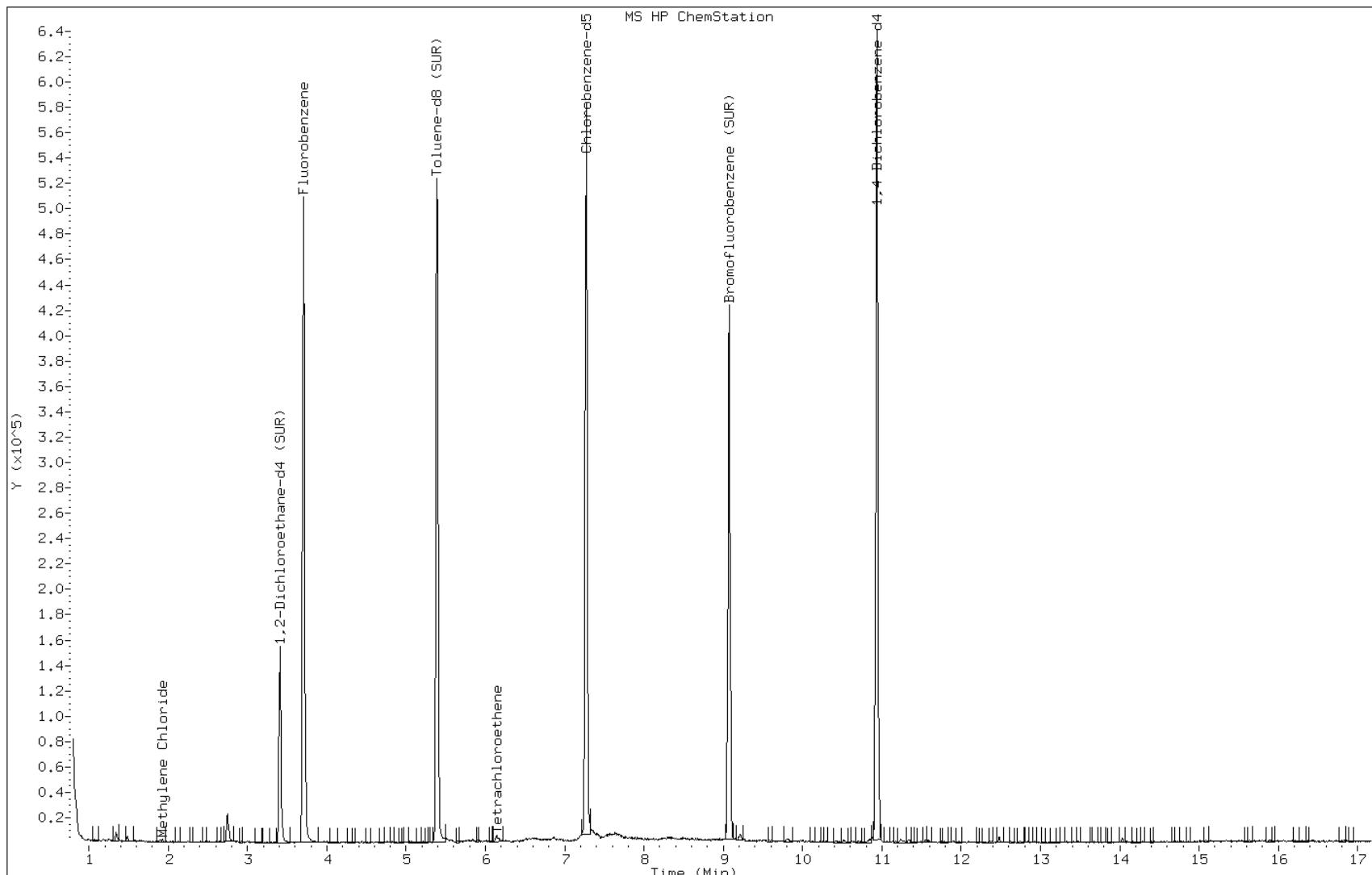
Date: 11-AUG-2012 02:48

Client ID: 20120807SB-437V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-1-A;;4.16;5

Operator: VOAMS 9



Data File: o63304.d

Date: 11-AUG-2012 02:48

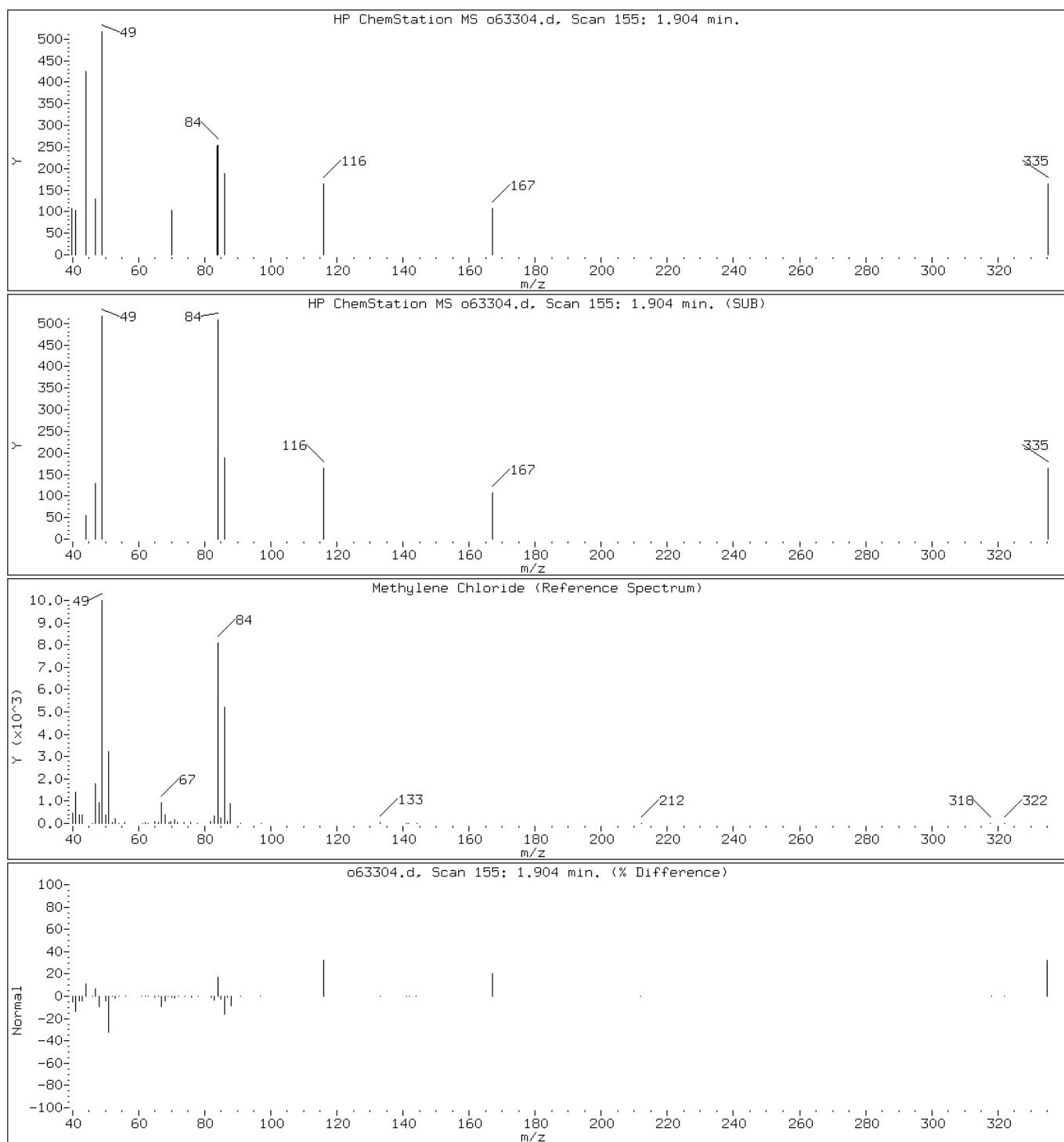
Client ID: 20120807SB-437V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-1-A;;4.16;5

Operator: VOAMS 9

### 6 Methylene Chloride



Data File: o63304.d

Date: 11-AUG-2012 02:48

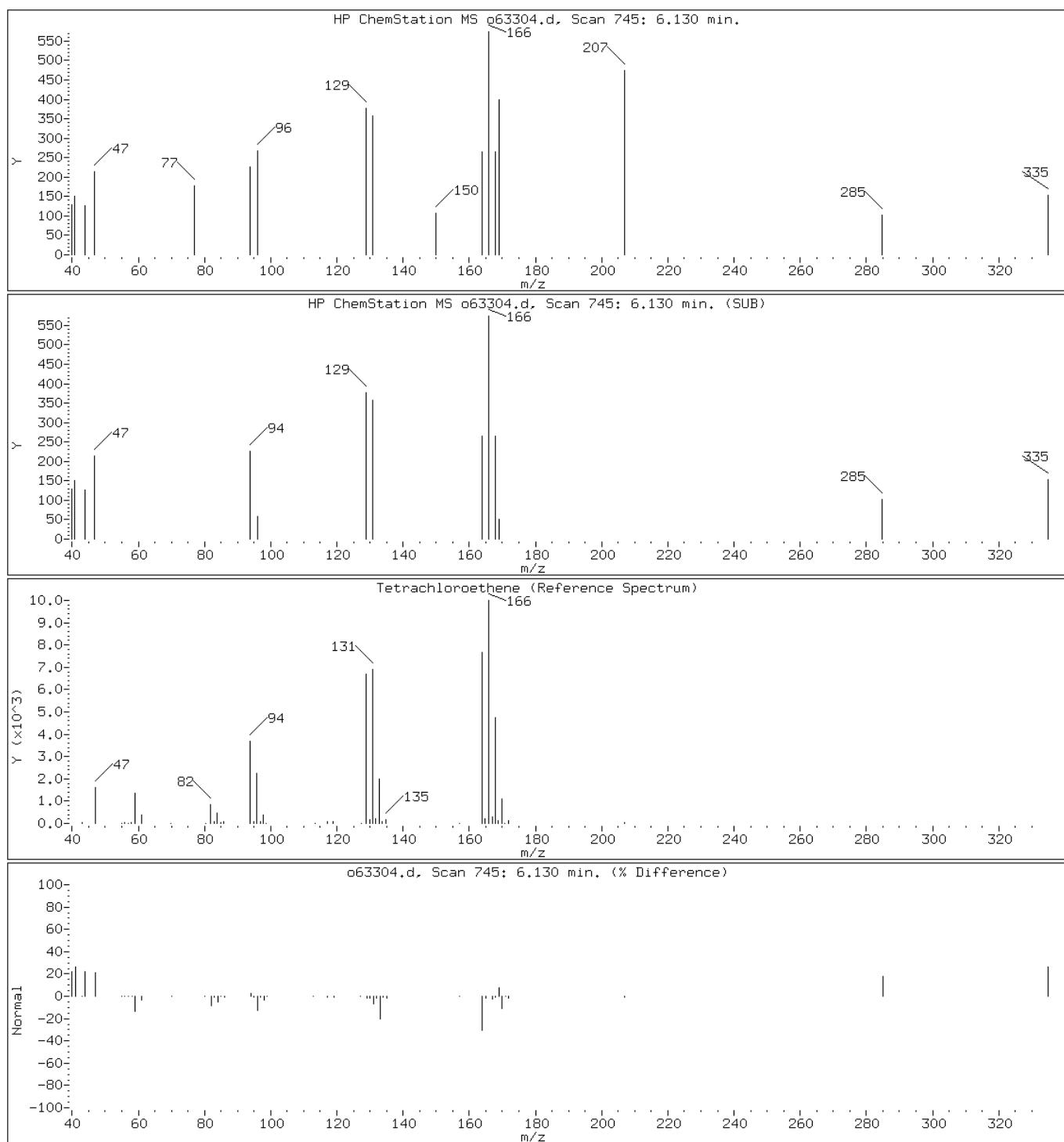
Client ID: 20120807SB-437V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-1-A;;4.16;5

Operator: VOAMS 9

35 Tetrachloroethene



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-438V5-6N Lab Sample ID: 460-43235-2  
Matrix: Solid Lab File ID: o63307.d  
Analysis Method: 8260B Date Collected: 08/07/2012 09:25  
Sample wt/vol: 4.63(g) Date Analyzed: 08/11/2012 04:03  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 16.6 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.21	U	1.3	0.21
74-83-9	Bromomethane	0.56	U	1.3	0.56
75-01-4	Vinyl chloride	0.44	U	1.3	0.44
75-00-3	Chloroethane	0.43	U	1.3	0.43
75-09-2	Methylene Chloride	0.30	J	1.3	0.19
67-64-1	Acetone	29	B	13	2.2
75-15-0	Carbon disulfide	0.19	U *	1.3	0.19
75-69-4	Trichlorofluoromethane	0.21	U	1.3	0.21
75-35-4	1,1-Dichloroethene	0.25	U	1.3	0.25
75-34-3	1,1-Dichloroethane	0.14	U	1.3	0.14
156-60-5	trans-1,2-Dichloroethene	0.17	U	1.3	0.17
156-59-2	cis-1,2-Dichloroethene	0.14	U	1.3	0.14
67-66-3	Chloroform	0.31	U	1.3	0.31
78-93-3	2-Butanone	4.0	J	13	0.82
107-06-2	1,2-Dichloroethane	0.23	U	1.3	0.23
71-55-6	1,1,1-Trichloroethane	0.17	U	1.3	0.17
56-23-5	Carbon tetrachloride	0.19	U	1.3	0.19
71-43-2	Benzene	0.19	U	1.3	0.19
75-25-2	Bromoform	0.22	U	1.3	0.22
100-42-5	Styrene	0.36	U	1.3	0.36
179601-23-1	m&p-Xylene	0.76	U	2.6	0.76
95-47-6	o-Xylene	0.25	U	1.3	0.25
100-41-4	Ethylbenzene	0.22	U	1.3	0.22
108-90-7	Chlorobenzene	0.53	J	1.3	0.23
110-82-7	Cyclohexane	0.17	U	1.3	0.17
98-82-8	Isopropylbenzene	0.14	U	1.3	0.14
591-78-6	2-Hexanone	0.17	U	13	0.17
1634-04-4	MTBE	0.14	U	1.3	0.14
76-13-1	Freon TF	0.14	U	1.3	0.14
79-20-9	Methyl acetate	0.41	U	1.3	0.41
123-91-1	1,4-Dioxane	16	U	65	16
79-01-6	Trichloroethene	0.16	U	1.3	0.16
108-88-3	Toluene	0.18	U	1.3	0.18
10061-02-6	trans-1,3-Dichloropropene	0.13	U	1.3	0.13
108-10-1	4-Methyl-2-pentanone	0.26	U	13	0.26
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.3	0.18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-438V5-6N Lab Sample ID: 460-43235-2  
Matrix: Solid Lab File ID: o63307.d  
Analysis Method: 8260B Date Collected: 08/07/2012 09:25  
Sample wt/vol: 4.63(g) Date Analyzed: 08/11/2012 04:03  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 16.6 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.60	J	1.3	0.13
541-73-1	1,3-Dichlorobenzene	0.21	U	1.3	0.21
106-46-7	1,4-Dichlorobenzene	0.74	J	1.3	0.14
120-82-1	1,2,4-Trichlorobenzene	0.25	U	1.3	0.25
87-61-6	1,2,3-Trichlorobenzene	0.21	U	1.3	0.21
78-87-5	1,2-Dichloropropane	0.19	U	1.3	0.19
108-87-2	Methylcyclohexane	0.59	J	1.3	0.13
127-18-4	Tetrachloroethene	0.16	U	1.3	0.16
96-12-8	1,2-Dibromo-3-Chloropropane	0.57	U *	1.3	0.57
79-34-5	1,1,2,2-Tetrachloroethane	0.12	U	1.3	0.12
79-00-5	1,1,2-Trichloroethane	0.18	U	1.3	0.18
124-48-1	Dibromochloromethane	0.13	U	1.3	0.13
106-93-4	1,2-Dibromoethane	0.19	U	1.3	0.19
75-71-8	Dichlorodifluoromethane	0.28	U	1.3	0.28
74-97-5	Bromochloromethane	0.14	U	1.3	0.14
75-27-4	Bromodichloromethane	0.41	U	1.3	0.41

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
460-00-4	Bromofluorobenzene	112		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63307.d  
Report Date: 14-Aug-2012 10:34

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63307.d  
Lab Smp Id: 460-43235-C-2-A Client Smp ID: 20120807SB-438V5-6N  
Inj Date : 11-AUG-2012 04:03  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : 460-43235-C-2-A;;4.63;5  
Misc Info : 460-43235-C-2-A  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 16  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.63000	Weight of sample extracted (g)
M	16.60305	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
7 Acetone	43	1.654	1.661	(0.446)		14513	22.1853	29
6 Methylene Chloride	84	1.890	1.897	(0.510)		649	0.23293	0.30(a)
51 TBA	59	1.983	1.990	(0.535)		865	3.11897	4.0(a)
18 2-Butanone	72	2.771	2.778	(0.747)		937	3.11099	4.0(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408	(0.919)		85166	48.5237	63
* 69 Fluorobenzene	96	3.709	3.702	(1.000)		427177	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010	(1.081)		4341	3.71718	4.8
126 Methyl cyclohexane	83	4.225	4.225	(1.139)		2641	0.45317	0.59(a)
\$ 37 Toluene-d8 (SUR)	98	5.386	5.385	(0.741)		362583	49.8512	64
* 32 Chlorobenzene-d5	117	7.269	7.269	(1.000)		358591	50.0000	
39 Chlorobenzene	112	7.305	7.312	(1.005)		3837	0.41202	0.53(a)
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074	(0.830)		140084	56.2181	73
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)		177871	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)		4099	0.57465	0.74(a)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63307.d  
Report Date: 14-Aug-2012 10:34

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L )	FINAL (ug/Kg)
		====	==	=====	=====	=====	=====	=====
69 1,2-Dichlorobenzene	146	11.517	11.517 (1.053)		3094	0.46243	0.60(a)	

#### QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: o63307.d

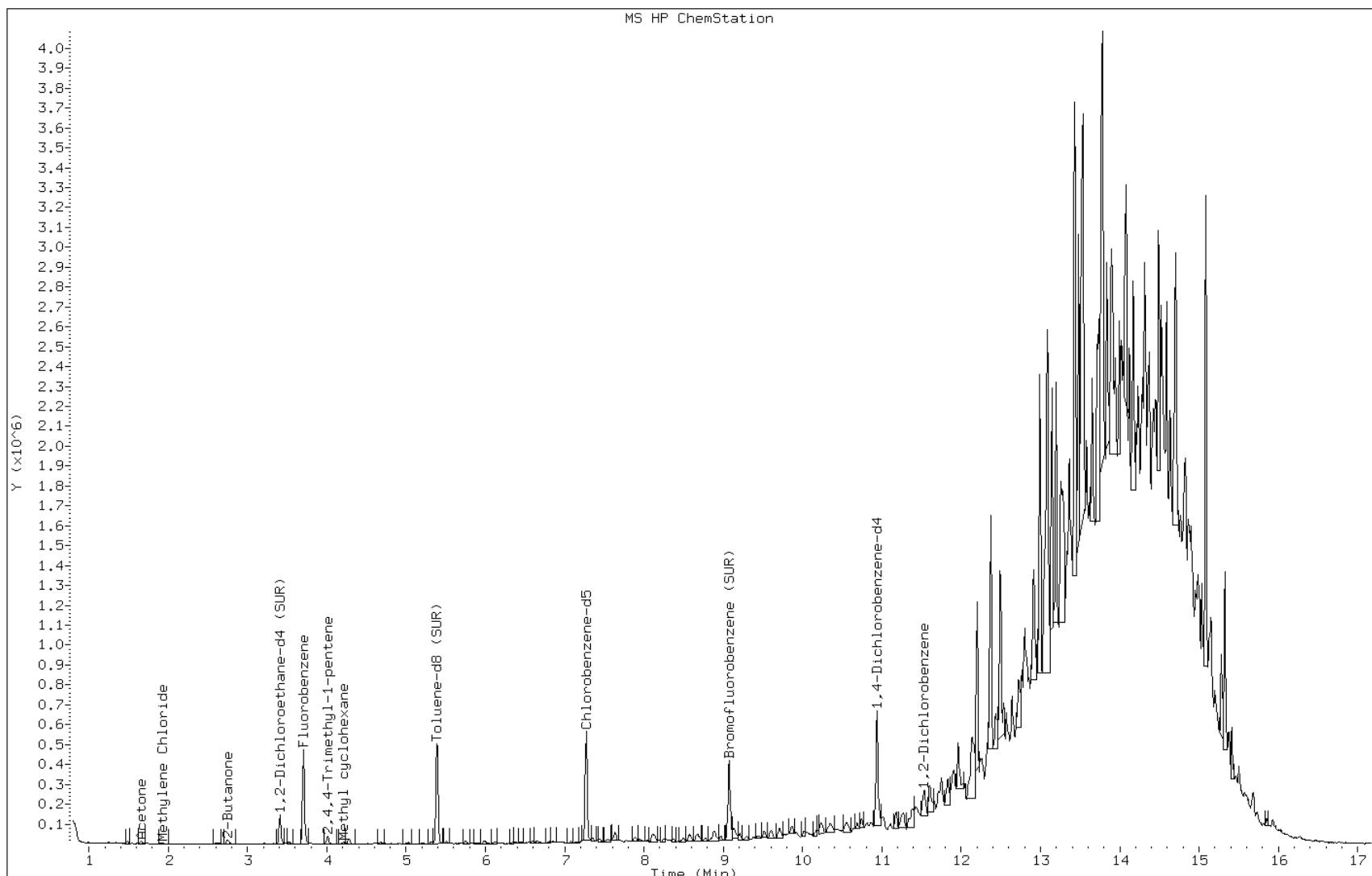
Date: 11-AUG-2012 04:03

Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9



Data File: o63307.d

Date: 11-AUG-2012 04:03

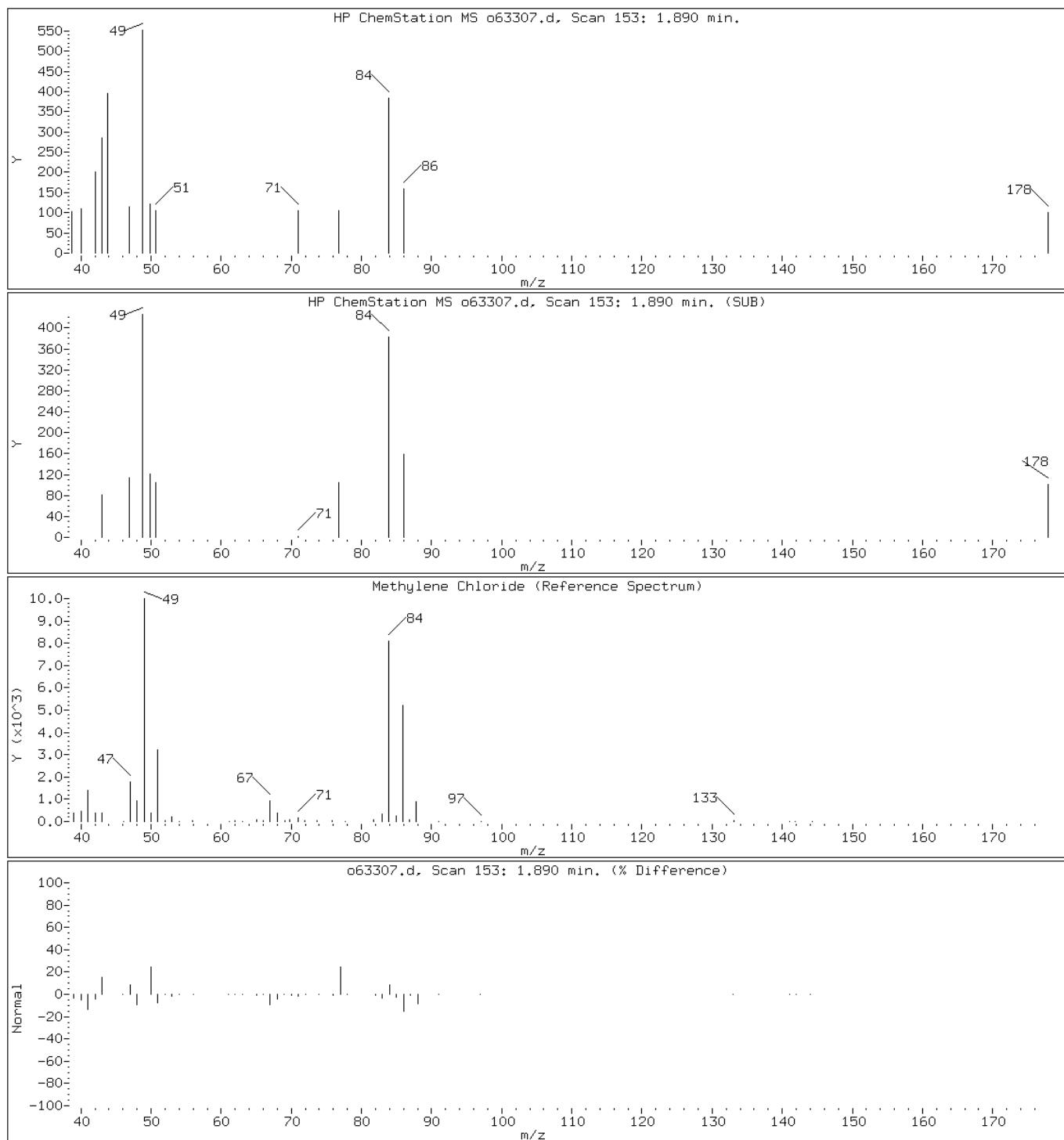
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

### 6 Methylene Chloride



Data File: o63307.d

Date: 11-AUG-2012 04:03

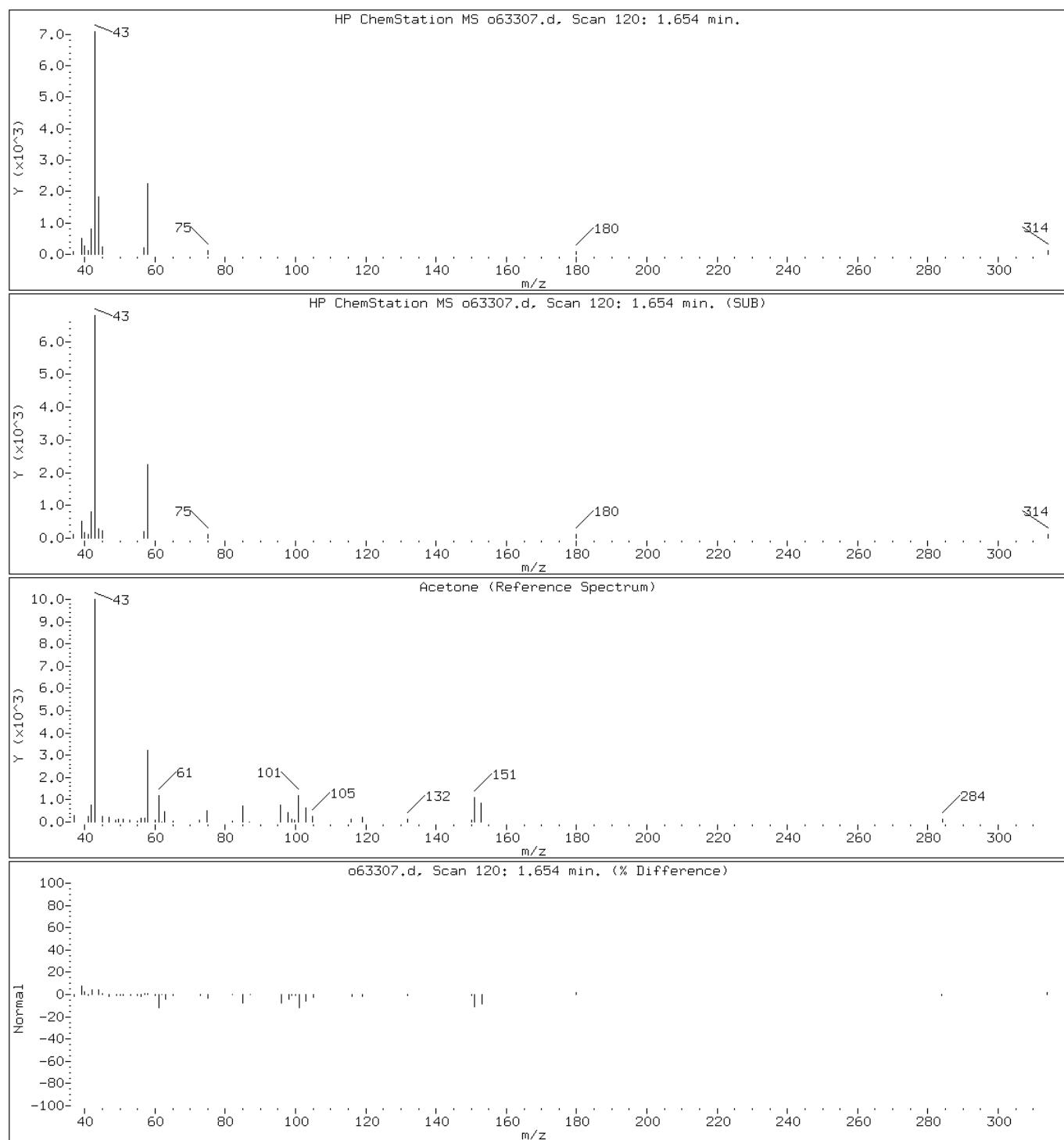
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

7 Acetone



Data File: o63307.d

Date: 11-AUG-2012 04:03

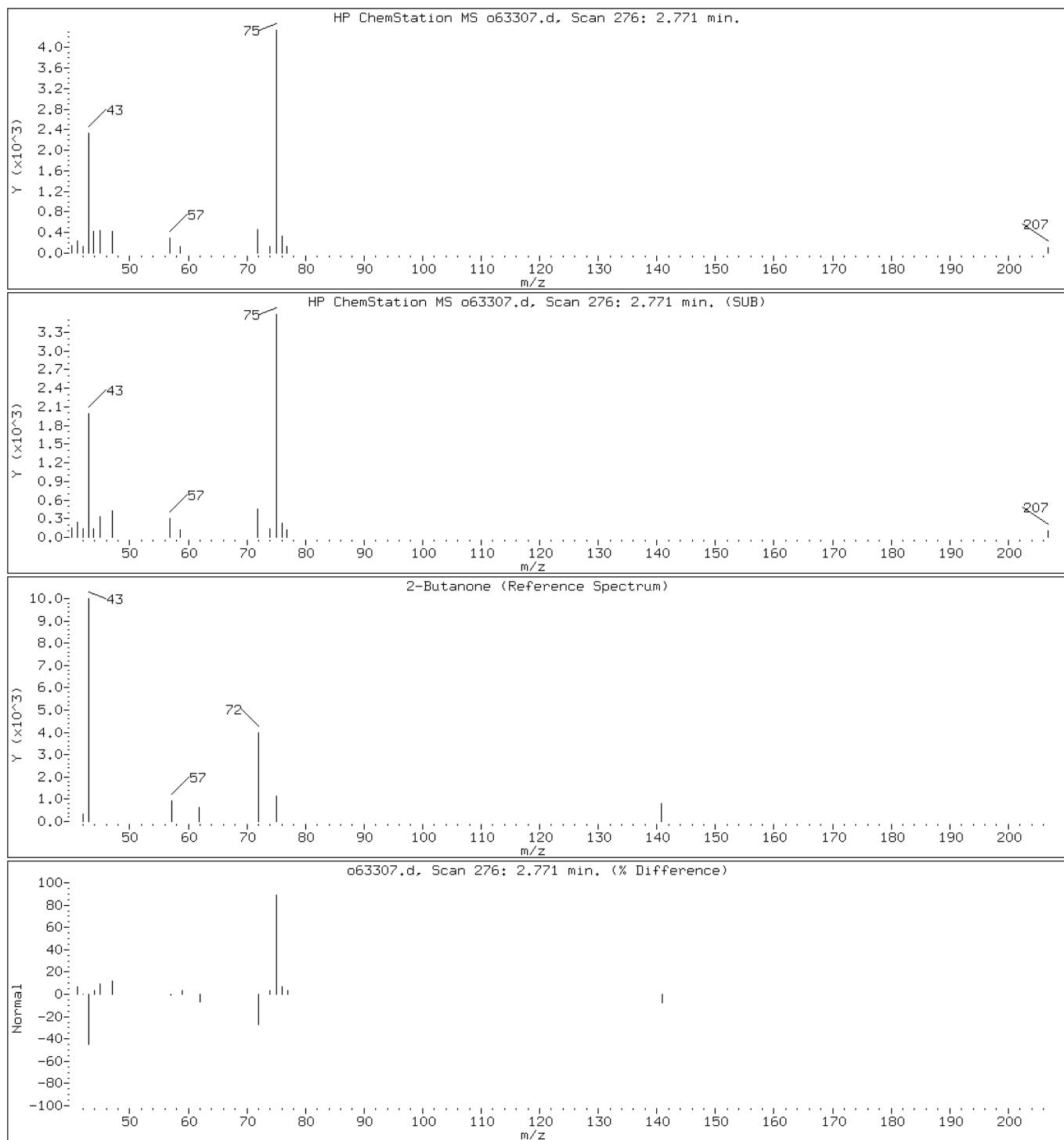
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

18 2-Butanone



Data File: o63307.d

Date: 11-AUG-2012 04:03

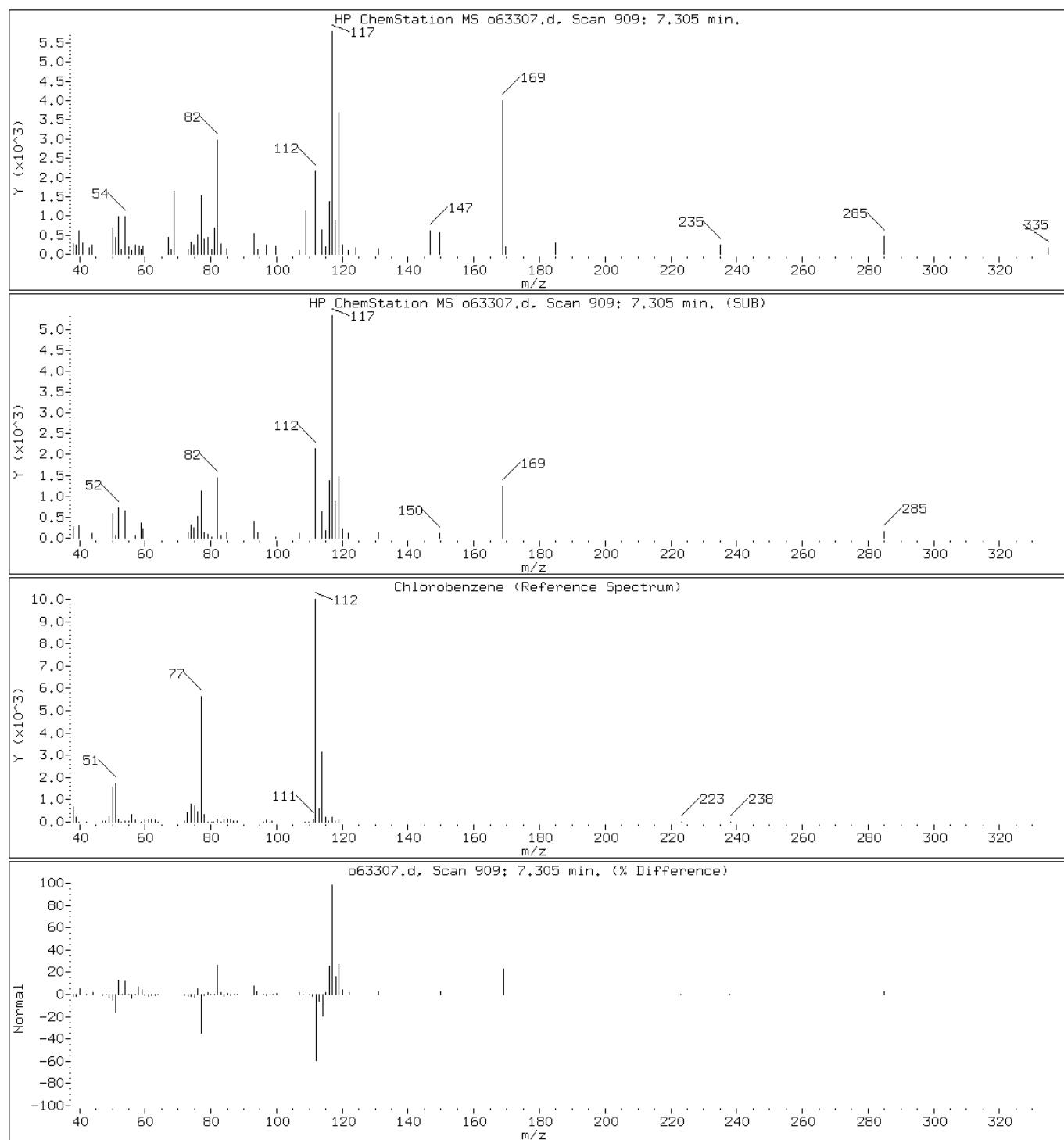
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

### 39 Chlorobenzene



Data File: o63307.d

Date: 11-AUG-2012 04:03

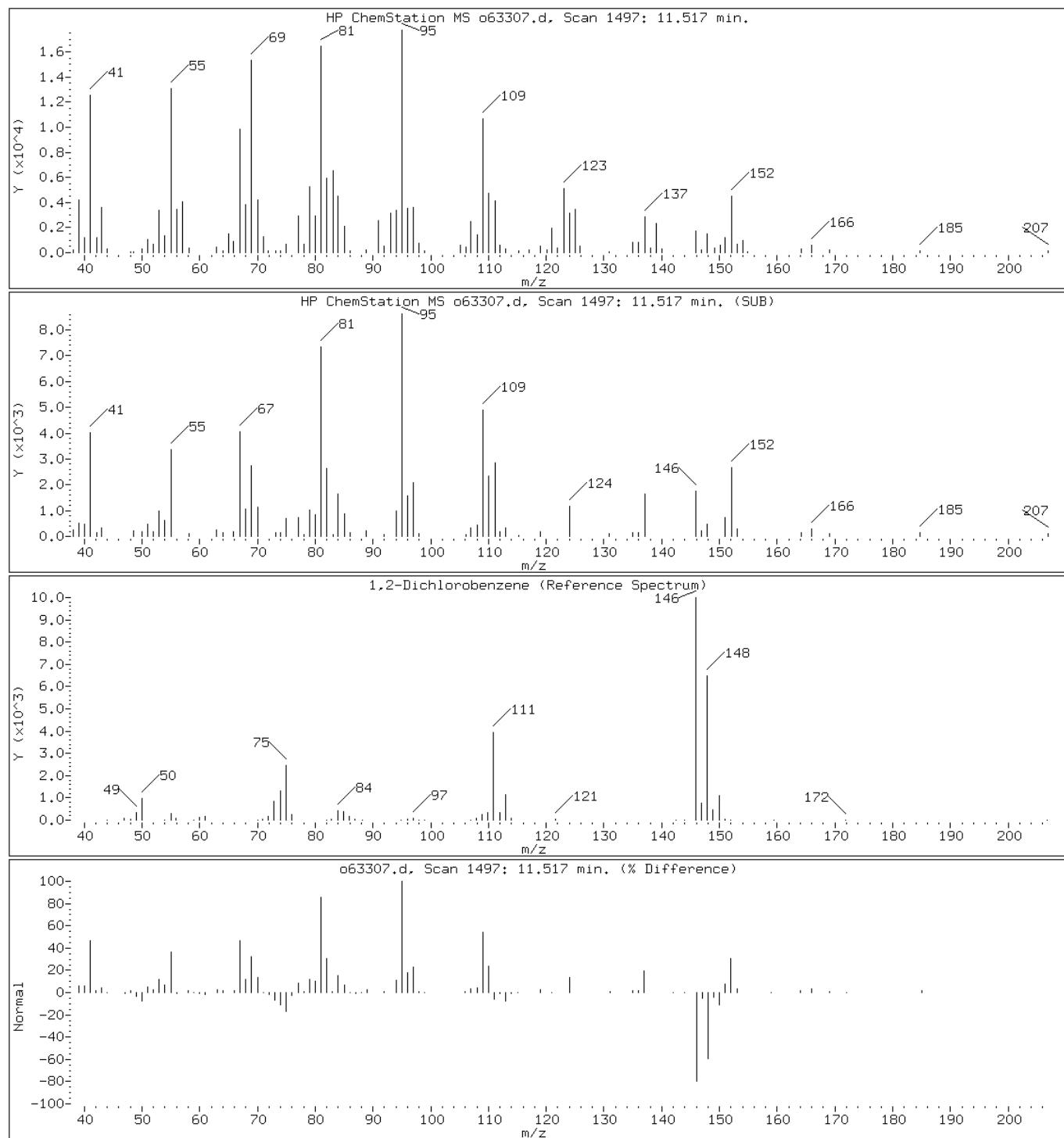
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

69 1,2-Dichlorobenzene



Data File: o63307.d

Date: 11-AUG-2012 04:03

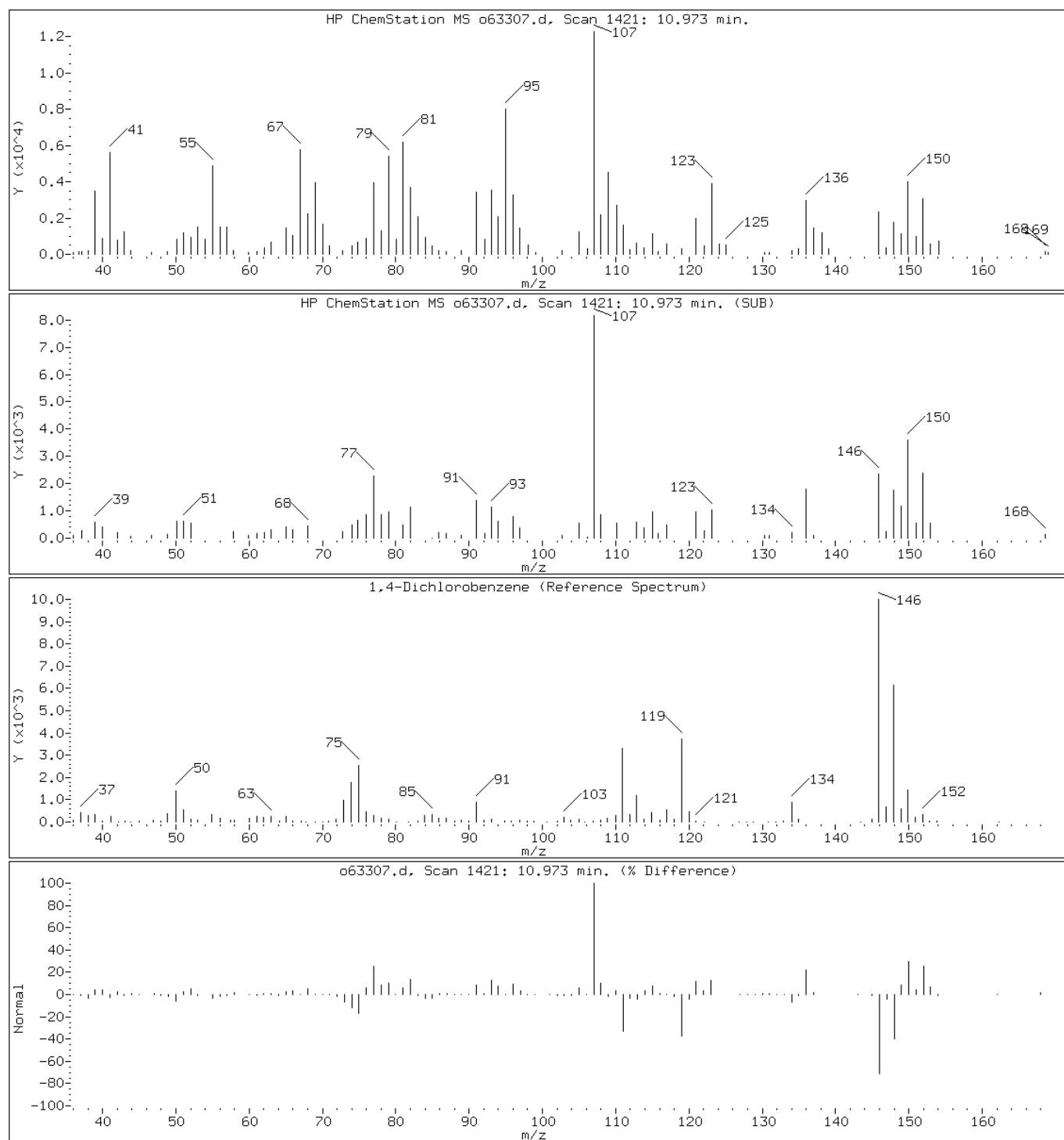
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

68 1,4-Dichlorobenzene



Data File: o63307.d

Date: 11-AUG-2012 04:03

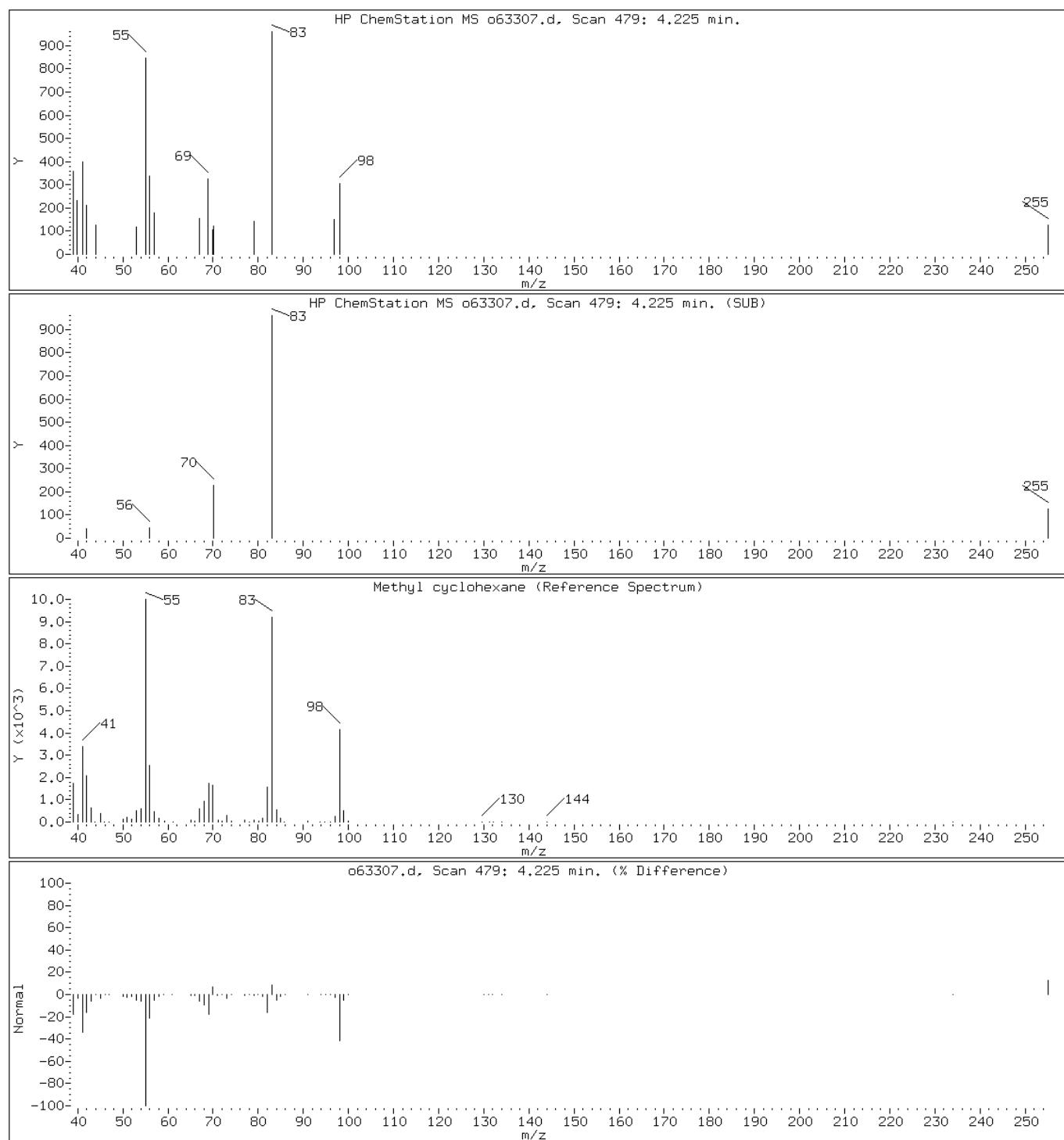
Client ID: 20120807SB-438V5-6N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-2-A;;4.63;5

Operator: VOAMS 9

126 Methyl cyclohexane



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-436V0-2N Lab Sample ID: 460-43235-3  
Matrix: Solid Lab File ID: o63305.d  
Analysis Method: 8260B Date Collected: 08/07/2012 09:45  
Sample wt/vol: 4.24(g) Date Analyzed: 08/11/2012 03:13  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.:  
% Moisture: 2.5 GC Column: DB-624 ID: 0.18 (mm)  
Analysis Batch No.: 123595 Level: (low/med) Low  
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.19	U	1.2	0.19
74-83-9	Bromomethane	0.52	U	1.2	0.52
75-01-4	Vinyl chloride	0.41	U	1.2	0.41
75-00-3	Chloroethane	0.40	U	1.2	0.40
75-09-2	Methylene Chloride	0.26	J	1.2	0.18
67-64-1	Acetone	2.0	U	12	2.0
75-15-0	Carbon disulfide	0.18	U *	1.2	0.18
75-69-4	Trichlorofluoromethane	0.19	U	1.2	0.19
75-35-4	1,1-Dichloroethene	0.23	U	1.2	0.23
75-34-3	1,1-Dichloroethane	0.13	U	1.2	0.13
156-60-5	trans-1,2-Dichloroethene	0.16	U	1.2	0.16
156-59-2	cis-1,2-Dichloroethene	0.13	U	1.2	0.13
67-66-3	Chloroform	0.29	U	1.2	0.29
78-93-3	2-Butanone	0.76	U	12	0.76
107-06-2	1,2-Dichloroethane	0.22	U	1.2	0.22
71-55-6	1,1,1-Trichloroethane	0.16	U	1.2	0.16
56-23-5	Carbon tetrachloride	0.18	U	1.2	0.18
71-43-2	Benzene	0.18	U	1.2	0.18
75-25-2	Bromoform	0.21	U	1.2	0.21
100-42-5	Styrene	0.34	U	1.2	0.34
179601-23-1	m&p-Xylene	0.71	U	2.4	0.71
95-47-6	o-Xylene	0.28	J	1.2	0.23
100-41-4	Ethylbenzene	0.21	U	1.2	0.21
108-90-7	Chlorobenzene	0.22	U	1.2	0.22
110-82-7	Cyclohexane	0.16	U	1.2	0.16
98-82-8	Isopropylbenzene	0.13	U	1.2	0.13
591-78-6	2-Hexanone	0.16	U	12	0.16
1634-04-4	MTBE	0.13	U	1.2	0.13
76-13-1	Freon TF	0.13	U	1.2	0.13
79-20-9	Methyl acetate	0.39	U	1.2	0.39
123-91-1	1,4-Dioxane	15	U	60	15
79-01-6	Trichloroethene	0.15	U	1.2	0.15
108-88-3	Toluene	0.17	U	1.2	0.17
10061-02-6	trans-1,3-Dichloropropene	0.12	U	1.2	0.12
108-10-1	4-Methyl-2-pentanone	0.24	U	12	0.24
10061-01-5	cis-1,3-Dichloropropene	0.17	U	1.2	0.17

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-436V0-2N Lab Sample ID: 460-43235-3  
Matrix: Solid Lab File ID: o63305.d  
Analysis Method: 8260B Date Collected: 08/07/2012 09:45  
Sample wt/vol: 4.24(g) Date Analyzed: 08/11/2012 03:13  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 2.5 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.12	U	1.2	0.12
541-73-1	1,3-Dichlorobenzene	0.19	U	1.2	0.19
106-46-7	1,4-Dichlorobenzene	0.13	U	1.2	0.13
120-82-1	1,2,4-Trichlorobenzene	0.23	U	1.2	0.23
87-61-6	1,2,3-Trichlorobenzene	0.19	U	1.2	0.19
78-87-5	1,2-Dichloropropane	0.18	U	1.2	0.18
108-87-2	Methylcyclohexane	0.12	U	1.2	0.12
127-18-4	Tetrachloroethene	0.15	U	1.2	0.15
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U *	1.2	0.53
79-34-5	1,1,2,2-Tetrachloroethane	0.11	U	1.2	0.11
79-00-5	1,1,2-Trichloroethane	0.17	U	1.2	0.17
124-48-1	Dibromochloromethane	0.12	U	1.2	0.12
106-93-4	1,2-Dibromoethane	0.18	U	1.2	0.18
75-71-8	Dichlorodifluoromethane	0.27	U	1.2	0.27
74-97-5	Bromochloromethane	0.13	U	1.2	0.13
75-27-4	Bromodichloromethane	0.39	U	1.2	0.39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	Bromofluorobenzene	98		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63305.d  
Report Date: 14-Aug-2012 10:24

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63305.d  
Lab Smp Id: 460-43235-C-3-A Client Smp ID: 20120807SB-436V0-2N  
Inj Date : 11-AUG-2012 03:13  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : 460-43235-C-3-A;;4.24;5  
Misc Info : 460-43235-C-3-A  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 14  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.24000	Weight of sample extracted (g)
M	2.50000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
6 Methylene Chloride	84		1.904	1.897 (0.513)		698	0.21909	0.26(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65		3.408	3.408 (0.919)		92819	46.2825	56
* 69 Fluorobenzene	96		3.709	3.702 (1.000)		488103	50.0000	
\$ 37 Toluene-d8 (SUR)	98		5.385	5.385 (0.741)		366782	48.6194	59
* 32 Chlorobenzene-d5	117		7.269	7.269 (1.000)		371934	50.0000	
44 o-Xylene	106		8.265	8.272 (1.137)		1514	0.23065	0.28(aH)
\$ 41 Bromofluorobenzene (SUR)	174		9.074	9.074 (0.830)		148190	48.9611	59
* 91 1,4-Dichlorobenzene-d4	152		10.937	10.937 (1.000)		216053	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).  
H - Operator selected an alternate compound hit.

Data File: o63305.d

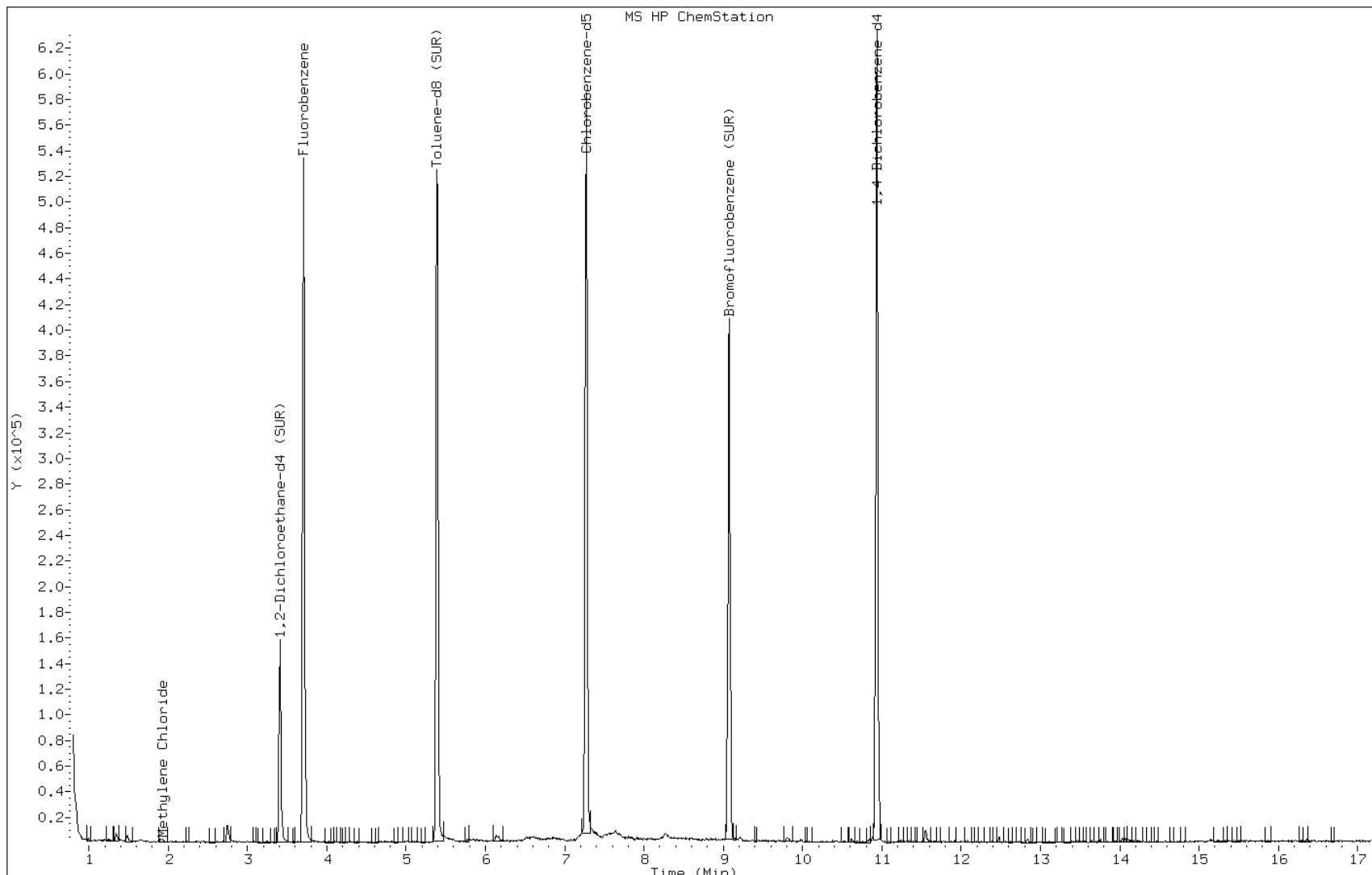
Date: 11-AUG-2012 03:13

Client ID: 20120807SB-436V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-3-A;;4.24;5

Operator: VOAMS 9



Data File: o63305.d

Date: 11-AUG-2012 03:13

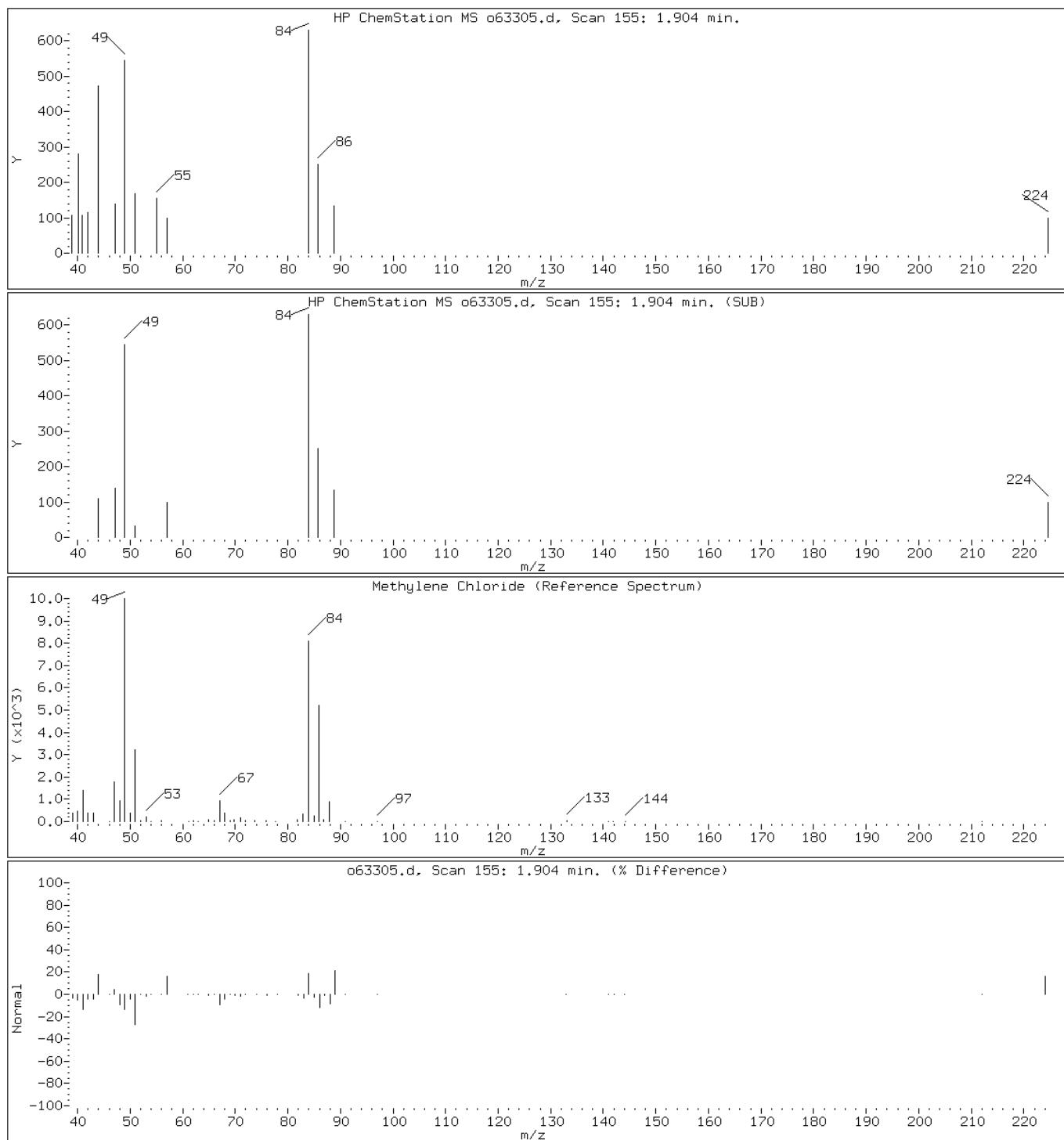
Client ID: 20120807SB-436V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-3-A;;4.24;5

Operator: VOAMS 9

6 Methylene Chloride



Data File: o63305.d

Date: 11-AUG-2012 03:13

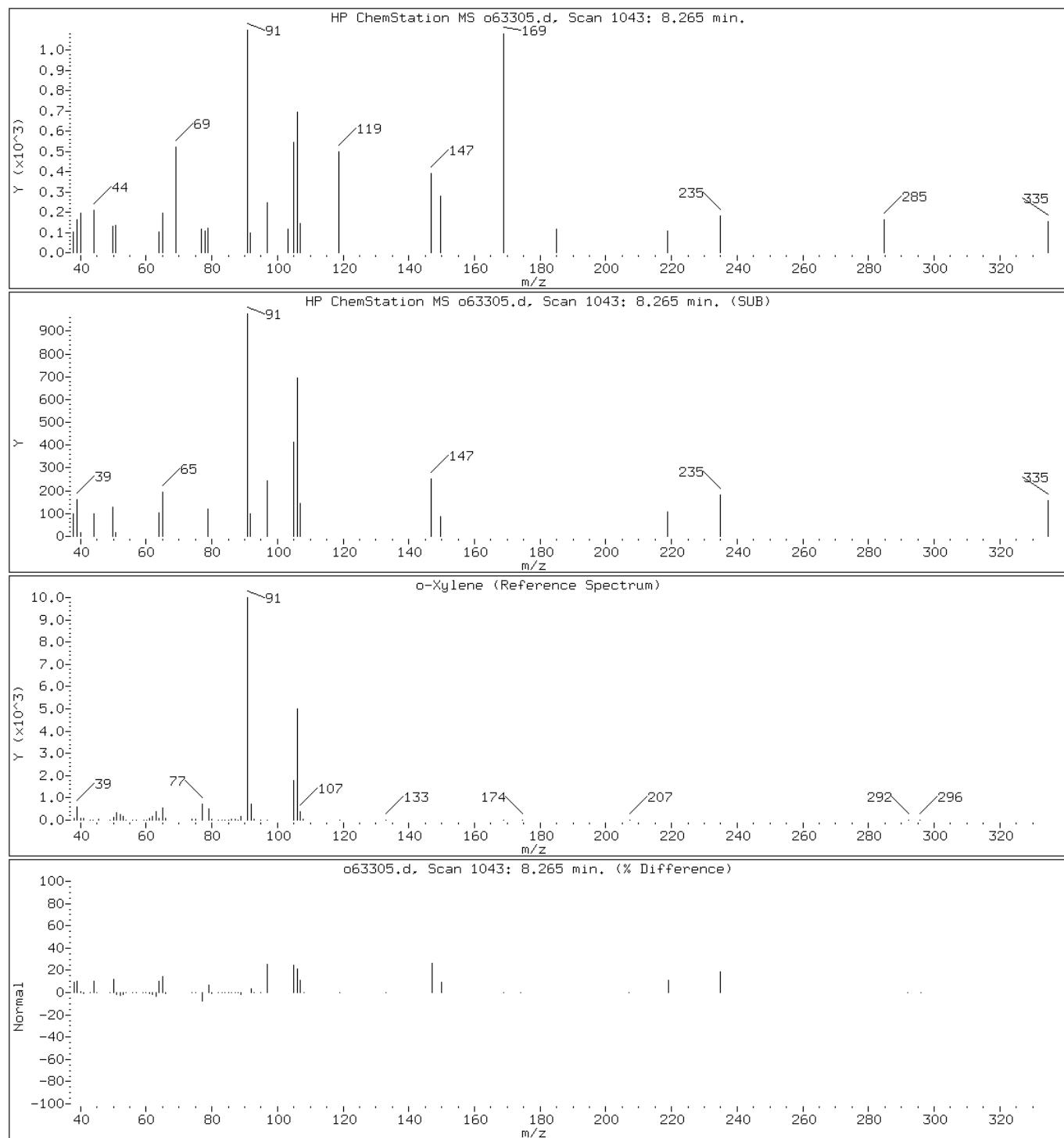
Client ID: 20120807SB-436V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-3-A;;4.24;5

Operator: VOAMS 9

#### 44 o-Xylene



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807SB-435V0-2N Lab Sample ID: 460-43235-4  
Matrix: Solid Lab File ID: o63306.d  
Analysis Method: 8260B Date Collected: 08/07/2012 10:40  
Sample wt/vol: 3.54(g) Date Analyzed: 08/11/2012 03:38  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 19.6 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.28	U	1.8	0.28
74-83-9	Bromomethane	0.76	U	1.8	0.76
75-01-4	Vinyl chloride	0.60	U	1.8	0.60
75-00-3	Chloroethane	0.58	U	1.8	0.58
75-09-2	Methylene Chloride	0.44	J	1.8	0.26
67-64-1	Acetone	3.0	U	18	3.0
75-15-0	Carbon disulfide	0.26	U *	1.8	0.26
75-69-4	Trichlorofluoromethane	0.28	U	1.8	0.28
75-35-4	1,1-Dichloroethene	0.33	U	1.8	0.33
75-34-3	1,1-Dichloroethane	0.19	U	1.8	0.19
156-60-5	trans-1,2-Dichloroethene	0.23	U	1.8	0.23
156-59-2	cis-1,2-Dichloroethene	0.19	U	1.8	0.19
67-66-3	Chloroform	4.5		1.8	0.42
78-93-3	2-Butanone	1.1	U	18	1.1
107-06-2	1,2-Dichloroethane	25		1.8	0.32
71-55-6	1,1,1-Trichloroethane	0.23	U	1.8	0.23
56-23-5	Carbon tetrachloride	0.26	U	1.8	0.26
71-43-2	Benzene	0.26	U	1.8	0.26
75-25-2	Bromoform	0.30	U	1.8	0.30
100-42-5	Styrene	0.49	U	1.8	0.49
179601-23-1	m&p-Xylene	1.0	U	3.5	1.0
95-47-6	o-Xylene	0.33	U	1.8	0.33
100-41-4	Ethylbenzene	0.30	U	1.8	0.30
108-90-7	Chlorobenzene	0.32	U	1.8	0.32
110-82-7	Cyclohexane	0.23	U	1.8	0.23
98-82-8	Isopropylbenzene	0.19	U	1.8	0.19
591-78-6	2-Hexanone	0.23	U	18	0.23
1634-04-4	MTBE	0.19	U	1.8	0.19
76-13-1	Freon TF	0.19	U	1.8	0.19
79-20-9	Methyl acetate	0.56	U	1.8	0.56
123-91-1	1,4-Dioxane	22	U	88	22
79-01-6	Trichloroethene	0.21	U	1.8	0.21
108-88-3	Toluene	1.0	J	1.8	0.25
10061-02-6	trans-1,3-Dichloropropene	0.18	U	1.8	0.18
108-10-1	4-Methyl-2-pentanone	0.35	U	18	0.35
10061-01-5	cis-1,3-Dichloropropene	0.25	U	1.8	0.25

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-435V0-2N Lab Sample ID: 460-43235-4  
Matrix: Solid Lab File ID: o63306.d  
Analysis Method: 8260B Date Collected: 08/07/2012 10:40  
Sample wt/vol: 3.54(g) Date Analyzed: 08/11/2012 03:38  
Soil Aliquot Vol: Dilution Factor: 1  
Soil Extract Vol.: GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: 19.6 Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.18	U	1.8	0.18
541-73-1	1,3-Dichlorobenzene	0.28	U	1.8	0.28
106-46-7	1,4-Dichlorobenzene	0.19	U	1.8	0.19
120-82-1	1,2,4-Trichlorobenzene	0.33	U	1.8	0.33
87-61-6	1,2,3-Trichlorobenzene	0.28	U	1.8	0.28
78-87-5	1,2-Dichloropropane	0.26	U	1.8	0.26
108-87-2	Methylcyclohexane	0.18	U	1.8	0.18
127-18-4	Tetrachloroethene	0.69	J	1.8	0.21
96-12-8	1,2-Dibromo-3-Chloropropane	0.77	U *	1.8	0.77
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.8	0.16
79-00-5	1,1,2-Trichloroethane	0.25	U	1.8	0.25
124-48-1	Dibromochloromethane	0.18	U	1.8	0.18
106-93-4	1,2-Dibromoethane	0.26	U	1.8	0.26
75-71-8	Dichlorodifluoromethane	0.39	U	1.8	0.39
74-97-5	Bromochloromethane	0.19	U	1.8	0.19
75-27-4	Bromodichloromethane	0.56	U	1.8	0.56

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-130
2037-26-5	Toluene-d8 (Surr)	103		70-130
460-00-4	Bromofluorobenzene	104		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63306.d  
Report Date: 14-Aug-2012 10:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63306.d  
Lab Smp Id: 460-43235-C-4-A Client Smp ID: 20120807SB-435V0-2N  
Inj Date : 11-AUG-2012 03:38  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : 460-43235-C-4-A;;3.54;5  
Misc Info : 460-43235-C-4-A  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 15  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	3.54000	Weight of sample extracted (g)
M	19.61538	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
46 Ethyl Ether	59	1.503	1.496 (0.405)			1725	0.67260	1.2(a)
6 Methylene Chloride	84	1.897	1.897 (0.511)			783	0.24805	0.44(a)
15 Chloroform	83	3.000	3.000 (0.809)			15615	2.57082	4.5
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408 (0.919)			95405	48.0138	84
17 1,2-Dichloroethane	62	3.480	3.473 (0.938)			56239	14.3969	25
* 69 Fluorobenzene	96	3.709	3.702 (1.000)			483612	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.386	5.385 (0.741)			385054	51.6265	91
38 Toluene	91	5.472	5.464 (0.753)			8959	0.58415	1.0(a)
35 Tetrachloroethene	166	6.131	6.130 (0.843)			1668	0.39492	0.69(a)
* 32 Chlorobenzene-d5	117	7.269	7.269 (1.000)			367719	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074 (0.830)			153943	51.9976	91
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937 (1.000)			211334	50.0000	

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63306.d  
Report Date: 14-Aug-2012 10:26

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: o63306.d

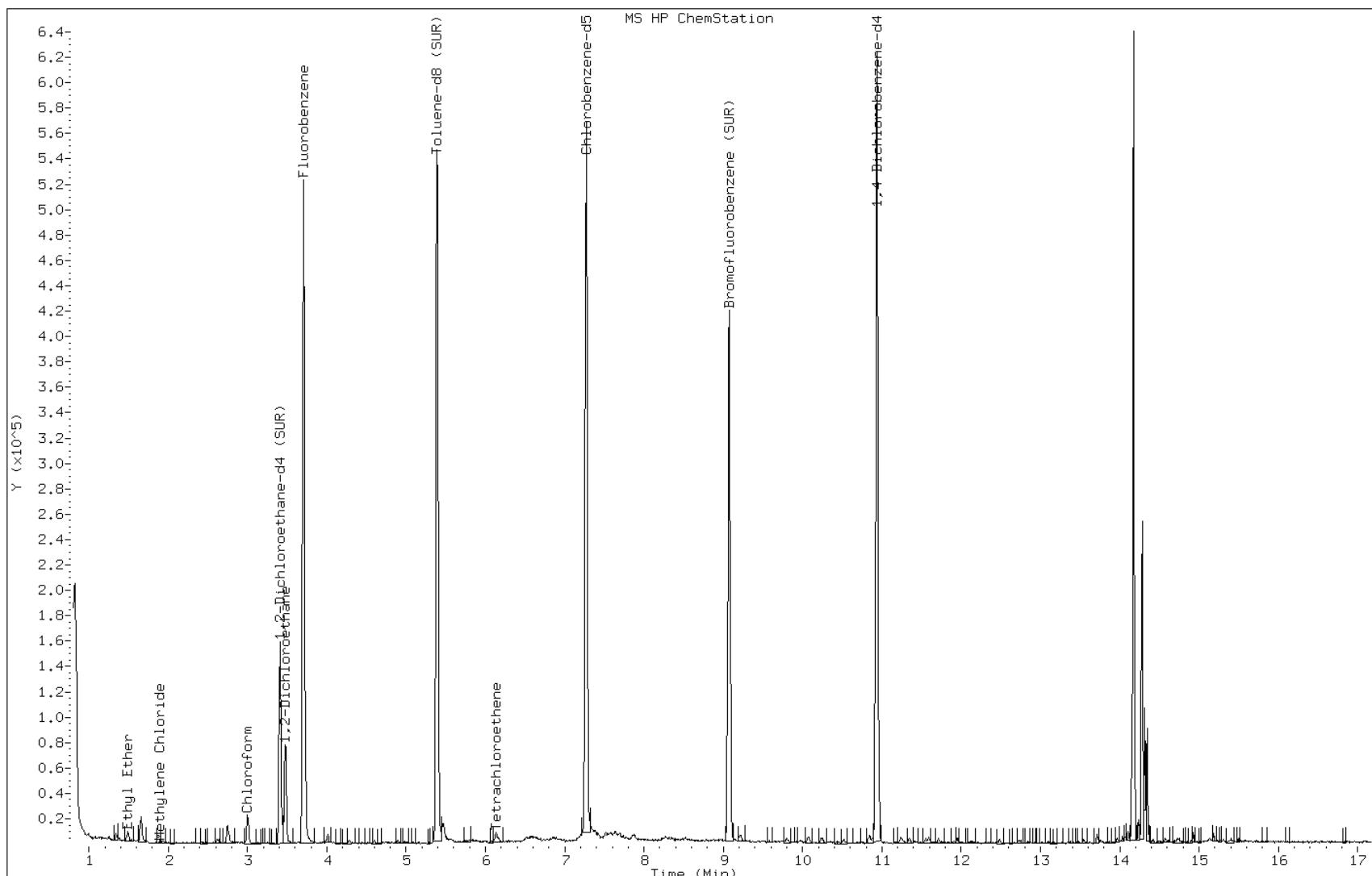
Date: 11-AUG-2012 03:38

Client ID: 20120807SB-435V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-4-A;;3.54;5

Operator: VOAMS 9



Data File: o63306.d

Date: 11-AUG-2012 03:38

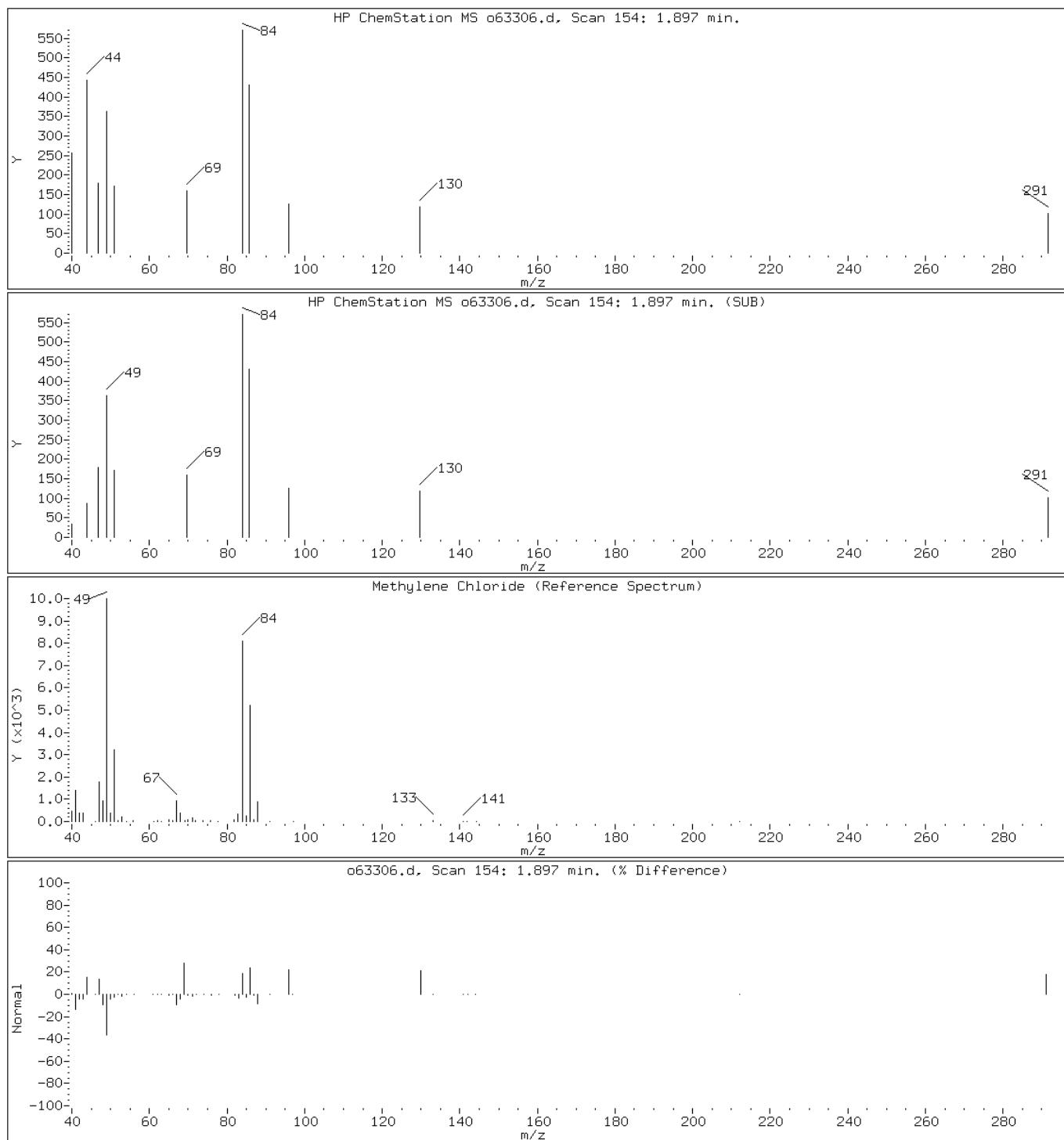
Client ID: 20120807SB-435V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-4-A;;3.54;5

Operator: VOAMS 9

### 6 Methylene Chloride



Data File: o63306.d

Date: 11-AUG-2012 03:38

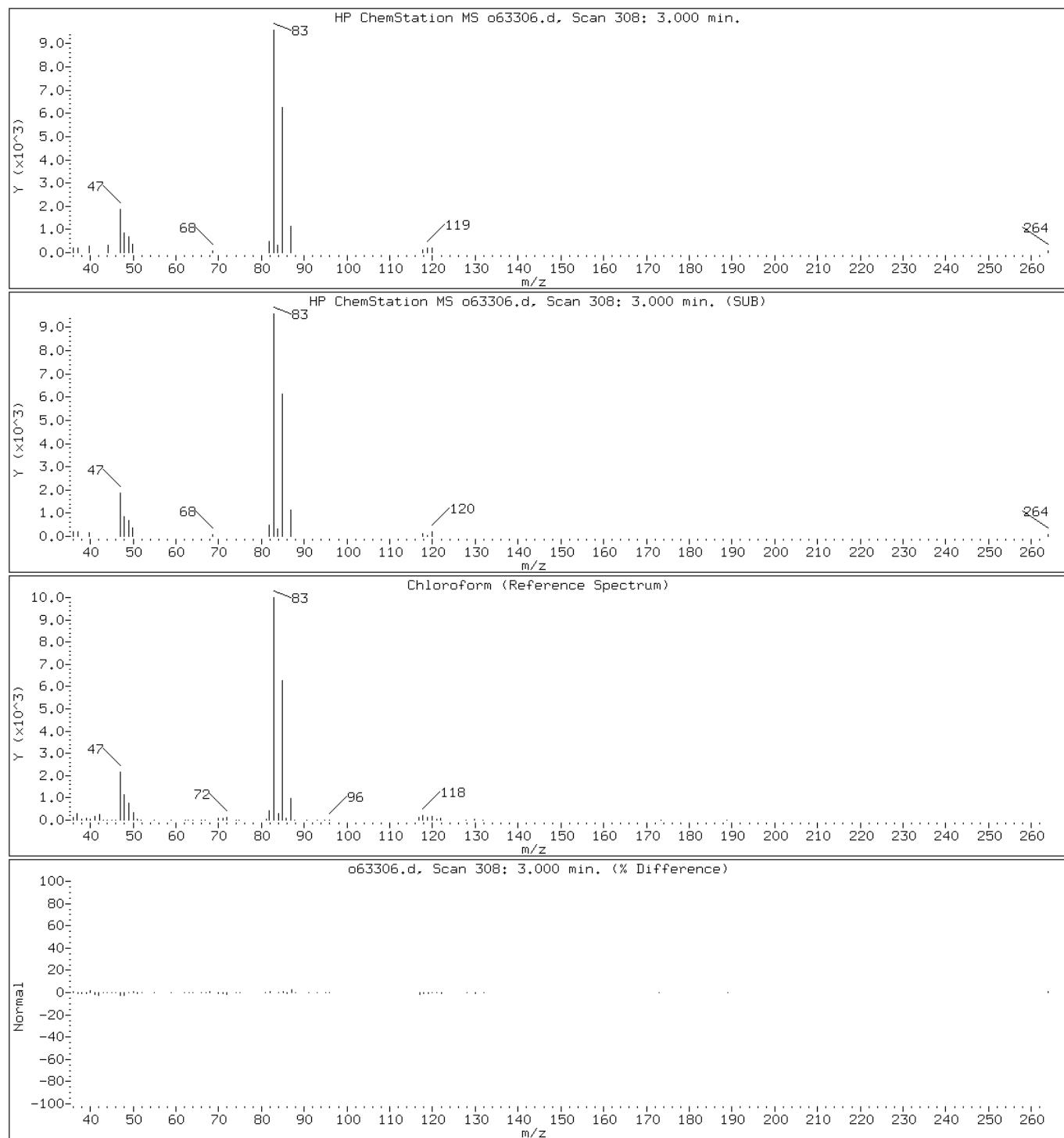
Client ID: 20120807SB-435V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-4-A;;3.54;5

Operator: VOAMS 9

### 15 Chloroform



Data File: o63306.d

Date: 11-AUG-2012 03:38

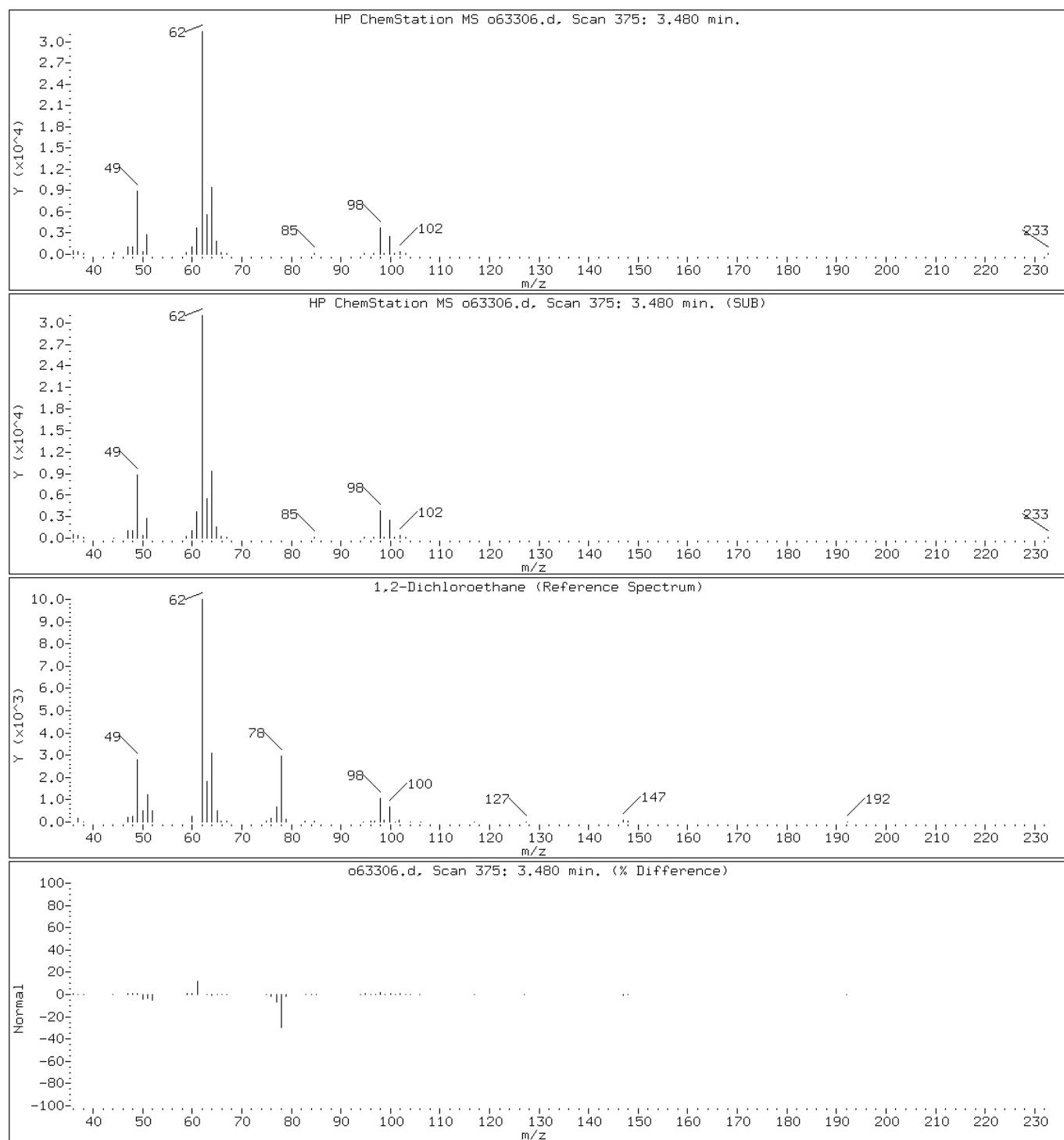
Client ID: 20120807SB-435V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-4-A;;3.54;5

Operator: VOAMS 9

17 1,2-Dichloroethane



Data File: o63306.d

Date: 11-AUG-2012 03:38

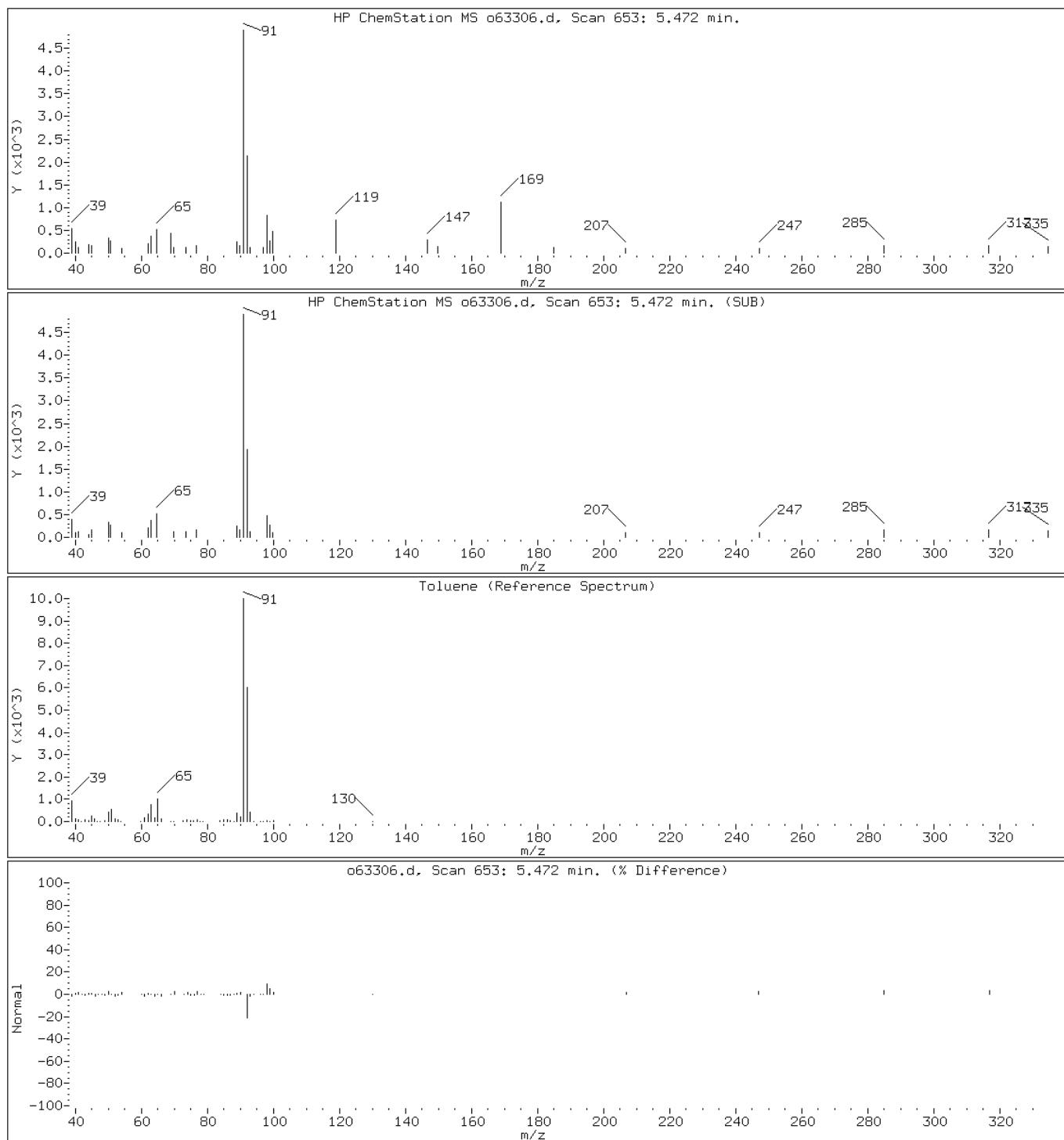
Client ID: 20120807SB-435V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-4-A;;3.54;5

Operator: VOAMS 9

38 Toluene



Data File: o63306.d

Date: 11-AUG-2012 03:38

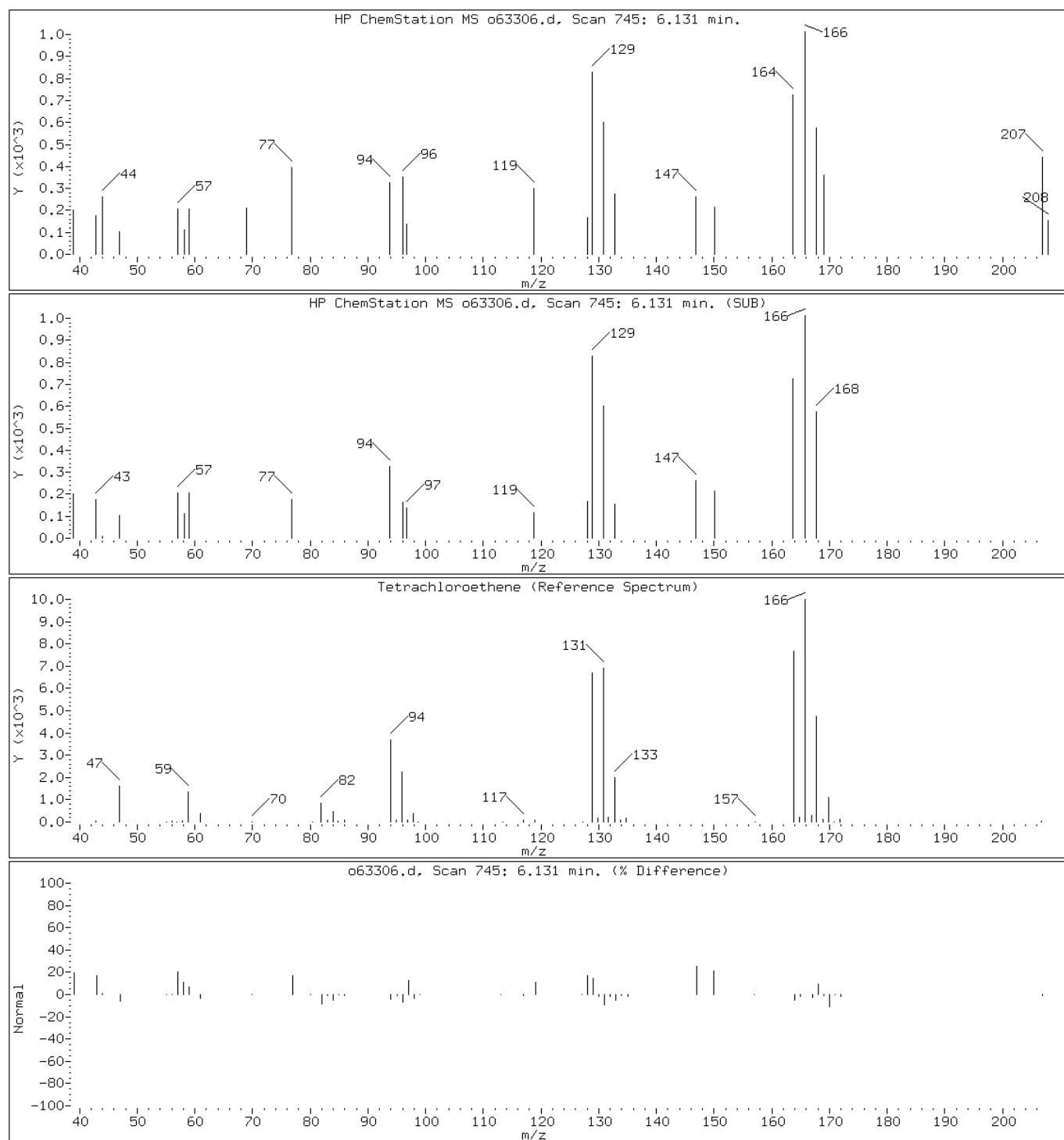
Client ID: 20120807SB-435V0-2N

Instrument: VOAMS12.i

Sample Info: 460-43235-C-4-A;;3.54;5

Operator: VOAMS 9

### 35 Tetrachloroethene



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807EB Lab Sample ID: 460-43235-5  
Matrix: Water Lab File ID: c69986.d  
Analysis Method: 8260B Date Collected: 08/07/2012 12:15  
Sample wt/vol: 5 (mL) Date Analyzed: 08/14/2012 23:39  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.10	U	1.0	0.10
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
67-66-3	Chloroform	0.080	U	1.0	0.080
78-93-3	2-Butanone	2.3	U	5.0	2.3
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
75-25-2	Bromoform	0.19	U	1.0	0.19
100-42-5	Styrene	0.12	U	1.0	0.12
179601-23-1	m&p-Xylene	0.25	U	2.0	0.25
95-47-6	o-Xylene	0.13	U	1.0	0.13
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
110-82-7	Cyclohexane	0.16	U	1.0	0.16
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
591-78-6	2-Hexanone	0.50	U	5.0	0.50
1634-04-4	MTBE	0.14	U	1.0	0.14
76-13-1	Freon TF	0.080	U	1.0	0.080
79-20-9	Methyl acetate	0.34	U	2.0	0.34
123-91-1	1,4-Dioxane	36	U	50	36
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	0.99	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807EB Lab Sample ID: 460-43235-5  
Matrix: Water Lab File ID: c69986.d  
Analysis Method: 8260B Date Collected: 08/07/2012 12:15  
Sample wt/vol: 5 (mL) Date Analyzed: 08/14/2012 23:39  
Soil Aliquot Vol.:  Dilution Factor: 1  
Soil Extract Vol.:  GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture:  Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.51	U	1.0	0.51
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
124-48-1	Dibromochloromethane	0.20	U	1.0	0.20
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-97-5	Bromochloromethane	0.27	U	1.0	0.27
75-27-4	Bromodichloromethane	0.12	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
460-00-4	Bromofluorobenzene	100		70-130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69986.d  
Report Date: 15-Aug-2012 12:31

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69986.d  
Lab Smp Id: 460-43235-B-5 Client Smp ID: 20120807EB  
Inj Date : 14-AUG-2012 23:39  
Operator : Inst ID: VOAMS3.i  
Smp Info : 460-43235-B-5  
Misc Info : 460-43235-B-5  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:38 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 12  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.493 (0.945)		151497	51.8036	52
* 52 Fluorobenzene	96	5.815	5.815 (1.000)		513573	50.0000	
\$ 65 Toluene-d8 (SUR)	98	7.458	7.458 (0.854)		422884	49.8690	50
* 78 Chlorobenzene-d5	117	8.729	8.723 (1.000)		407733	50.0000	
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		170722	49.8706	50
* 108 1,4-Dichlorobenzene-d4	152	10.488	10.487 (1.000)		210527	50.0000	

Data File: c69986.d

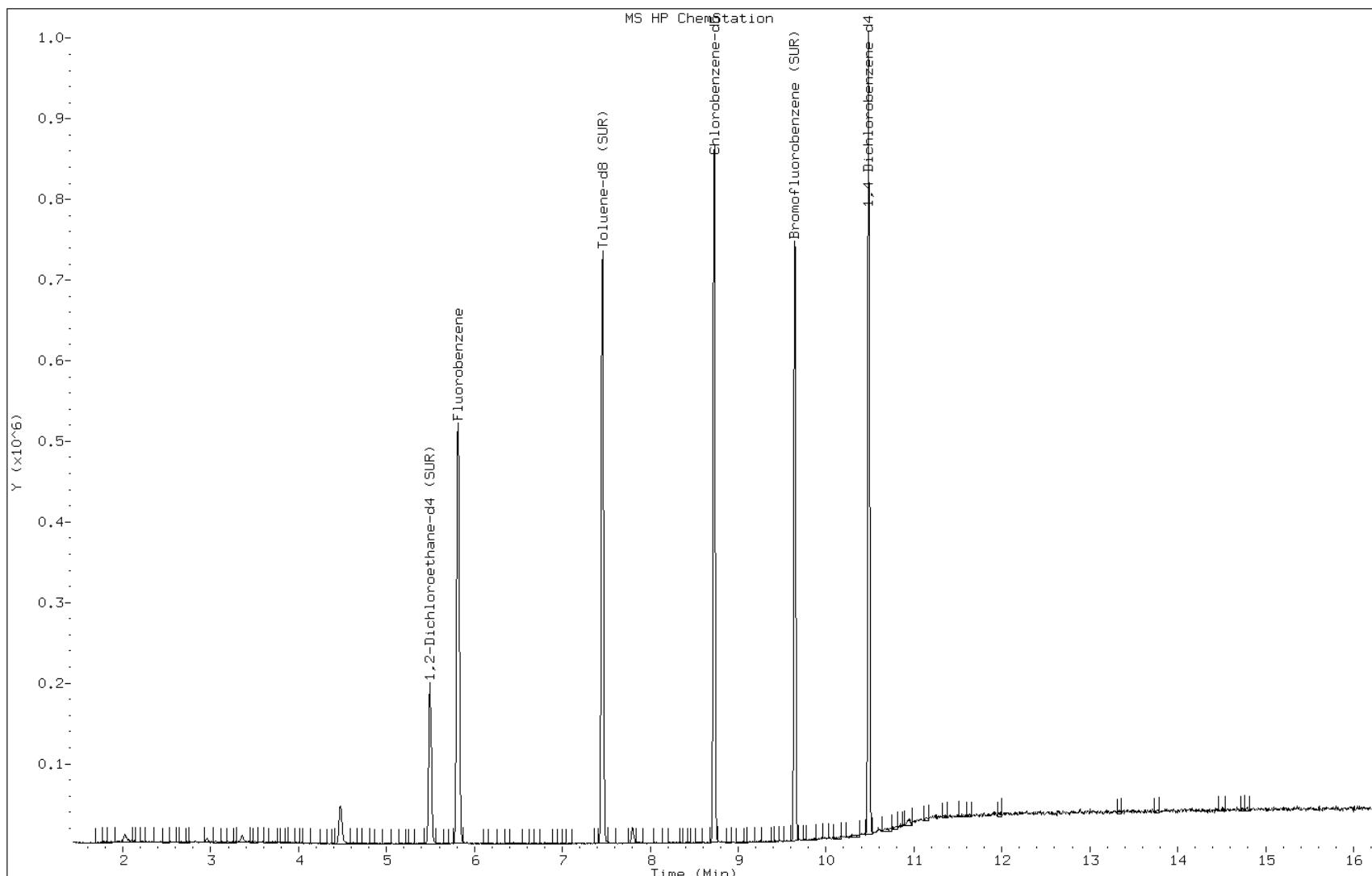
Date: 14-AUG-2012 23:39

Client ID: 20120807EB

Instrument: VOAMS3.i

Sample Info: 460-43235-B-5

Operator:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807TB Lab Sample ID: 460-43235-6  
Matrix: Water Lab File ID: c69987.d  
Analysis Method: 8260B Date Collected: 08/07/2012 00:00  
Sample wt/vol: 5 (mL) Date Analyzed: 08/15/2012 00:02  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.10	U	1.0	0.10
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
67-66-3	Chloroform	0.080	U	1.0	0.080
78-93-3	2-Butanone	2.3	U	5.0	2.3
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
75-25-2	Bromoform	0.19	U	1.0	0.19
100-42-5	Styrene	0.12	U	1.0	0.12
179601-23-1	m&p-Xylene	0.25	U	2.0	0.25
95-47-6	o-Xylene	0.13	U	1.0	0.13
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
110-82-7	Cyclohexane	0.16	U	1.0	0.16
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
591-78-6	2-Hexanone	0.50	U	5.0	0.50
1634-04-4	MTBE	0.14	U	1.0	0.14
76-13-1	Freon TF	0.080	U	1.0	0.080
79-20-9	Methyl acetate	0.34	U	2.0	0.34
123-91-1	1,4-Dioxane	36	U	50	36
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-88-3	Toluene	0.25	J	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	0.99	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807TB Lab Sample ID: 460-43235-6  
Matrix: Water Lab File ID: c69987.d  
Analysis Method: 8260B Date Collected: 08/07/2012 00:00  
Sample wt/vol: 5 (mL) Date Analyzed: 08/15/2012 00:02  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.51	U	1.0	0.51
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
124-48-1	Dibromochloromethane	0.20	U	1.0	0.20
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-97-5	Bromochloromethane	0.27	U	1.0	0.27
75-27-4	Bromodichloromethane	0.12	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
460-00-4	Bromofluorobenzene	99		70-130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69987.d  
Report Date: 15-Aug-2012 12:12

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69987.d  
Lab Smp Id: 460-43235-B-6 Client Smp ID: 20120807TB  
Inj Date : 15-AUG-2012 00:02  
Operator : Inst ID: VOAMS3.i  
Smp Info : 460-43235-B-6  
Misc Info : 460-43235-B-6  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:38 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 13  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.493 (0.945)		153332	51.2248	51
* 52 Fluorobenzene	96	5.815	5.815 (1.000)		525667	50.0000	
\$ 65 Toluene-d8 (SUR)	98	7.458	7.458 (0.854)		436350	50.6228	51
66 Toluene	91	7.519	7.519 (0.861)		1482	0.24690	0.25(a)
* 78 Chlorobenzene-d5	117	8.729	8.723 (1.000)		414452	50.0000	
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		176578	49.6110	50
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487 (1.000)		218888	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: c69987.d

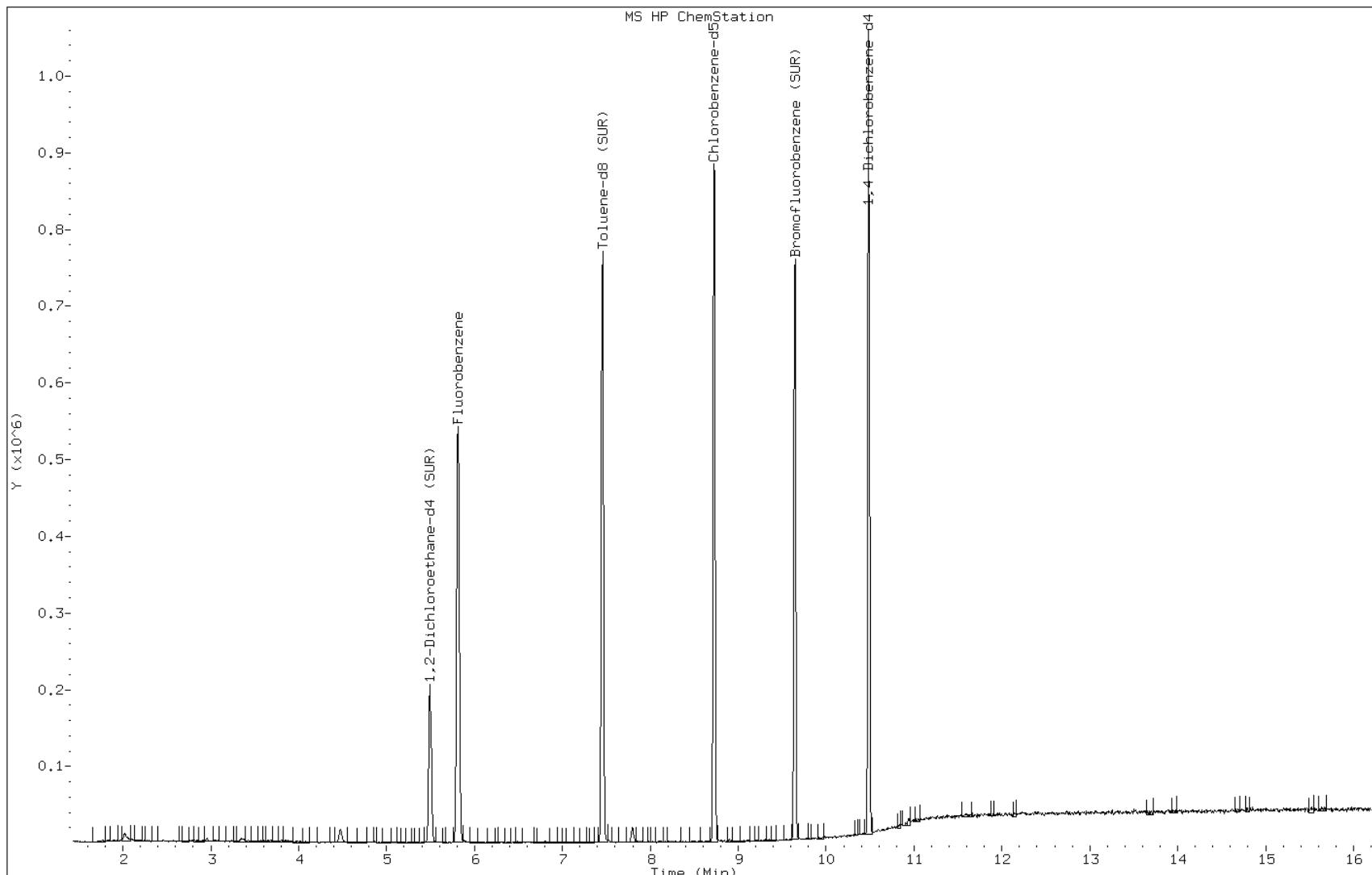
Date: 15-AUG-2012 00:02

Client ID: 20120807TB

Instrument: VOAMS3.i

Sample Info: 460-43235-B-6

Operator:



Data File: c69987.d

Date: 15-AUG-2012 00:02

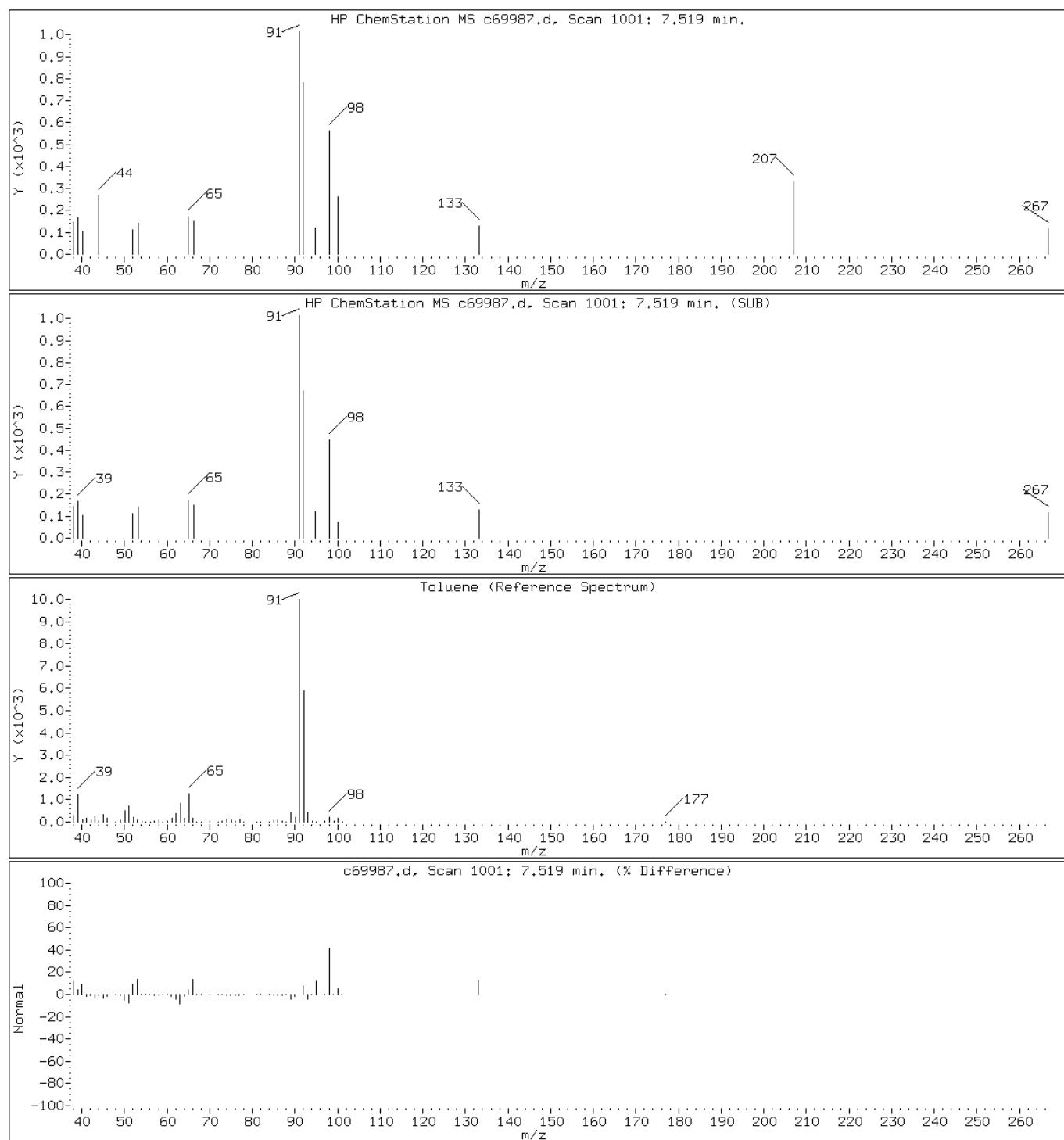
Client ID: 20120807TB

Instrument: VOAMS3.i

Sample Info: 460-43235-B-6

Operator:

66 Toluene



FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-121151/2	o62499.d
Level 2	IC 460-121151/3	o62501.d
Level 3	ICIS 460-121151/4	o62502.d
Level 4	IC 460-121151/5	o62503.d
Level 5	IC 460-121151/6	o62504.d
Level 6	IC 460-121151/7	o62505.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4226 0.3784	0.3747	0.4161	0.4127	0.3694	Ave		0.3957				6.1		15.0			
Chloromethane	0.5988 0.4457	0.4348	0.4344	0.4484	0.4463	Ave		0.4681			0.1000	13.7		15.0			
Vinyl chloride	0.4737 0.4193	0.3219	0.4254	0.4353	0.4243	LinF		0.4201							1.0000	0.9900	
Bromomethane	0.3537 0.2507	0.2360	0.2184	0.2134	0.2309	LinF		0.2478							0.9986	0.9900	
Chloroethane	0.2513 0.2211	0.1850	0.2139	0.1869	0.2194	Ave		0.2129				11.6		15.0			
Dichlorofluoromethane	0.7492 0.6498	0.6085	0.7203	0.6900	0.6298	Ave		0.6746				8.1		15.0			
Trichlorofluoromethane	0.6760 0.5687	0.5284	0.5701	0.5686	0.5540	Ave		0.5776				8.8		15.0			
n-Pentane	0.1733 0.1756	0.1515	0.1784	0.1768	0.1664	Ave		0.1703				5.9		15.0			
Ethanol	0.0020 0.0018	0.0016	0.0015	0.0017	0.0015	Ave		0.0017				10.6		15.0			
Ethyl ether	0.2830 0.2511	0.2769	0.2669	0.2657	0.2473	Ave		0.2652				5.3		15.0			
Isopropene	0.4657 0.5468	0.4712	0.5656	0.5687	0.5448	Ave		0.5271				8.8		15.0			
Acrolein	0.0467 0.0391	0.0424	0.0412	0.0427	0.0380	Ave		0.0417				7.3		15.0			
1,1-Dichloroethene	0.3289 0.2947	0.2903	0.3102	0.3069	0.2885	Ave		0.3032				5.1		30.0			
Freon TF	0.3739 0.3906	0.3591	0.4144	0.4009	0.3711	Ave		0.3850				5.4		15.0			
Acetone	0.1249 0.0740	0.0971	0.0895	0.0860	0.0747	QuaF		13.049	0.3149						0.9999	0.9900	

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Iodomethane	0.4829 0.4584	0.3976	0.4831	0.4882	0.4607	Ave		0.4618				7.3		15.0			
Carbon disulfide	1.0742 1.1736	0.9010	1.1087	1.1188	1.1027	Ave		1.0798				8.7		15.0			
Acetonitrile	0.0926 0.0682	0.0726	0.0758	0.0746	0.0674	Ave		0.0752				12.2		15.0			
Methyl acetate	0.0641 0.0583	0.0623	0.0551	0.0538	0.0547	Ave		0.0580				7.4		15.0			
Methylene Chloride	0.6808 0.3264	0.3725	0.3591	0.3528	0.3238	LinF		0.3264							0.9999		0.9900
TBA	0.0419 0.0314	0.0319	0.0291	0.0312	0.0292	Ave		0.0325				14.7		15.0			
trans-1,2-Dichloroethene	0.4247 0.3562	0.3688	0.3846	0.3741	0.3499	Ave		0.3764				7.1		15.0			
Acrylonitrile	0.1183 0.1094	0.1037	0.1031	0.1038	0.0989	Ave		0.1062				6.4		15.0			
MTBE	0.8384 0.8891	0.8249	0.8199	0.8611	0.8427	Ave		0.8460				3.0		15.0			
Hexane	0.2566 0.3110	0.2673	0.2921	0.3167	0.3031	Ave		0.2912				8.3		15.0			
1,1-Dichloroethane	0.7303 0.6069	0.6451	0.6456	0.6443	0.6004	Ave		0.6454			0.1000	7.2		15.0			
Vinyl acetate	1.4478 1.5550	1.4598	1.3907	1.5367	1.5412	Ave		1.4885				4.4		15.0			
DIPE	1.0135 1.1396	1.0253	1.0237	1.0876	1.1077	Ave		1.0662				4.9		15.0			
Tert-butyl ethyl ether	0.8277 0.9945	0.8364	0.8765	0.9346	0.9430	Ave		0.9021				7.3		15.0			
2,2-Dichloropropane	0.6985 0.5334	0.5211	0.5453	0.5541	0.5328	Ave		0.5642				11.8		15.0			
cis-1,2-Dichloroethene	0.4476 0.3932	0.3939	0.4193	0.4138	0.3904	Ave		0.4097				5.4		15.0			
2-Butanone	0.0432 0.0328	0.0343	0.0363	0.0305	0.0346	Ave		0.0353				12.2		15.0			
Ethyl acetate	0.0241 0.0281	0.0279	0.0234	0.0266	0.0268	Ave		0.0262				7.5		15.0			
Bromochloromethane	0.2250 0.1691	0.1889	0.1818	0.1807	0.1680	Ave		0.1856				11.3		15.0			
Tetrahydrofuran	0.2538 0.0941	0.1317	0.0984	0.1026	0.0890	LinF		0.0935							0.9993		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chloroform	0.7381 0.5769	0.6233	0.6277	0.6257	0.5762	Ave		0.6280				9.4		30.0			
1,1,1-Trichloroethane	0.5445 0.5507	0.5048	0.5604	0.5647	0.5499	Ave		0.5458				3.9		15.0			
Cyclohexane	0.7414 0.6827	0.6748	0.7335	0.7192	0.6601	Ave		0.7019				4.8		15.0			
Carbon tetrachloride	0.4180 0.4827	0.4147	0.4660	0.4743	0.4736	Ave		0.4549				6.7		15.0			
1,1-Dichloropropene	0.4783 0.5372	0.5129	0.5535	0.5637	0.5294	Ave		0.5292				5.8		15.0			
Benzene	1.3667 1.4293	1.3780	1.4261	1.4688	1.4263	Ave		1.4158				2.7		15.0			
1,2-Dichloroethane	0.4565 0.3761	0.4151	0.4038	0.3972	0.3745	Ave		0.4039				7.5		15.0			
Isopropyl acetate	0.4911 0.6455	0.5274	0.5235	0.5946	0.6112	Ave		0.5655				10.6		15.0			
Tert-amyl methyl ether	0.6867 0.8727	0.7031	0.7267	0.7801	0.8155	Ave		0.7641				9.4		15.0			
2,4,4-Trimethyl-1-pentene	0.2240 0.3061	0.2317	0.2862	0.2988	0.2937	Ave		0.2734				13.2		15.0			
Trichloroethene	0.3128 0.3709	0.3583	0.3633	0.3805	0.3639	Ave		0.3583				6.6		15.0			
n-Butanol	0.0045 0.0051	0.0040	0.0037	0.0042	0.0041	Ave		0.0043				11.2		15.0			
Ethyl acrylate	0.0109 0.0169	0.0151	0.0153	0.0156	0.0153	Ave		0.0149				13.8		15.0			
Methylcyclohexane	0.5759 0.7261	0.6200	0.7346	0.7332	0.7044	Ave		0.6824				9.9		15.0			
1,2-Dichloropropane	0.3312 0.3331	0.3362	0.3269	0.3400	0.3306	Ave		0.3330				1.4		30.0			
Dibromomethane	0.1944 0.1735	0.1859	0.1820	0.1860	0.1739	Ave		0.1826				4.4		15.0			
Methyl methacrylate	0.1816 0.1971	0.1763	0.1710	0.1877	0.1867	Ave		0.1834				5.0		15.0			
1,4-Dioxane	0.0042 0.0033	0.0046	0.0039	0.0037	0.0035	Ave		0.0039				12.3		15.0			
Propyl acetate	0.2025 0.1939	0.1733	0.1599	0.1819	0.1852	Ave		0.1828				8.2		15.0			
Bromodichloromethane	0.4226 0.4369	0.3976	0.4132	0.4362	0.4299	Ave		0.4228				3.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloroethyl vinyl ether	0.1497 0.1842	0.1615	0.1607	0.1784	0.1747	Ave		0.1682				7.7		15.0			
Epichlorohydrin	0.0280 0.0272	0.0264	0.0272	0.0287	0.0264	Ave		0.0273				3.2		15.0			
cis-1,3-Dichloropropene	0.4120 0.5369	0.4632	0.4999	0.5336	0.5306	Ave		0.4960				10.0		15.0			
2-Nitropropane	0.1193 0.1251	0.1103	0.1137	0.1227	0.1246	Ave		0.1193				5.1		15.0			
4-Methyl-2-pentanone	0.2261 0.2528	0.2464	0.2192	0.2477	0.2557	Ave		0.2413				6.2		15.0			
Toluene	2.1926 2.0186	2.1865	2.0249	2.0833	2.0064	Ave		2.0854				4.1		30.0			
trans-1,3-Dichloropropene	0.4176 0.6155	0.4764	0.5163	0.6016	0.6042	LinF		0.6137							0.9999		0.9900
1,1,2-Trichloroethane	0.2571 0.2858	0.2872	0.2724	0.2977	0.2867	Ave		0.2811				5.1		15.0			
Tetrachloroethylene	0.5442 0.5869	0.5636	0.5808	0.5879	0.5824	Ave		0.5743				3.0		15.0			
1,3-Dichloropropane	0.5593 0.6002	0.5921	0.5946	0.6322	0.6054	Ave		0.5973				3.9		15.0			
2-Hexanone	0.2029 0.2331	0.2209	0.2101	0.2274	0.2278	Ave		0.2204				5.3		15.0			
Dibromochloromethane	0.2976 0.4456	0.3540	0.3686	0.4222	0.4325	Ave		0.3867				14.7		15.0			
Butyl acetate	0.6565 0.5383	0.5318	0.5002	0.5274	0.5155	Ave		0.5449				10.3		15.0			
1,2-Dibromoethane	0.3002 0.3542	0.3272	0.3354	0.3585	0.3516	Ave		0.3379				6.5		15.0			
Chlorobenzene	1.3171 1.2998	1.2886	1.2798	1.3265	1.2811	Ave		1.2988				0.3000	1.5	15.0			
1,1,1,2-Tetrachloroethane	0.3073 0.4686	0.3545	0.3952	0.4380	0.4614	LinF		0.4673							0.9998		0.9900
Ethylbenzene	0.6735 0.7285	0.7312	0.7223	0.7490	0.7106	Ave		0.7192				3.6		30.0			
m,p-Xylene	0.8350 0.9100	0.9154	0.9021	0.9216	0.8771	Ave		0.8935				3.6		15.0			
o-Xylene	0.9114 0.8687	0.8785	0.8901	0.8945	0.8513	Ave		0.8824				2.4		15.0			
Styrene	1.3648 1.4902	1.4763	1.4555	1.4982	1.4396	Ave		1.4541				3.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Butyl acrylate	1.2893 1.3171	1.1379	1.1257	1.1651	1.1854	Ave		1.2034				6.7		15.0			
Bromoform	0.1726 0.3080	0.2168	0.2221	0.2672	0.2902	QuaF		3.6023	-0.116		0.1000				0.9999		0.9900
Amly acetate	0.3449 0.3778	0.3425	0.3296	0.3524	0.3497	Ave		0.3495				4.6		15.0			
Isopropylbenzene	2.2993 2.4071	2.3720	2.3929	2.4623	2.3382	Ave		2.3786				2.4		15.0			
Camphene, Total	0.3476 0.3730	0.2943	0.3283	0.3510	0.3489	Ave		0.3405				7.8		15.0			
Monobromobenzene	1.0258 1.0550	0.9993	0.9909	1.0073	0.9897	Ave		1.0113				2.5		15.0			
1,1,2,2-Tetrachloroethane	0.6669 0.8212	0.7366	0.7089	0.7871	0.7914	Ave		0.7520			0.3000	7.7		15.0			
1,2,3-Trichloropropane	0.2190 0.2436	0.2249	0.2179	0.2300	0.2361	Ave		0.2286				4.4		15.0			
trans-1,4-Dichloro-2-butene	0.0985 0.0971	0.0782	0.0847	0.0922	0.0919	Ave		0.0904				8.5		15.0			
N-Propylbenzene	4.1547 5.3170	4.9974	4.9967	5.0752	4.9990	Ave		4.9233				8.0		15.0			
2-Chlorotoluene	2.5489 2.8996	2.7827	2.7496	2.7981	2.7451	Ave		2.7540				4.2		15.0			
p-Ethyltoluene	1.9865 1.7705	1.7967	1.9075	1.8391	1.6687	Ave		1.8282				6.1		15.0			
4-Chlorotoluene	2.6256 3.0410	2.8609	2.7633	2.8299	2.8042	Ave		2.8208				4.8		15.0			
1,3,5-Trimethylbenzene	3.1521 3.6112	3.2801	3.3746	3.4386	3.4432	Ave		3.3833				4.6		15.0			
Butyl Methacrylate	0.7275 1.1990	0.8597	0.9732	1.0730	1.1195	LinF		1.1875							0.9990		0.9900
tert-Butylbenzene	2.7643 3.3122	3.1483	3.1640	3.2064	3.2007	Ave		3.1326				6.0		15.0			
1,2,4-Trimethylbenzene	3.1253 3.6051	3.3214	3.3714	3.4559	3.4797	Ave		3.3931				4.8		15.0			
sec-Butylbenzene	4.3029 5.0218	4.6974	4.7364	4.8463	4.8591	Ave		4.7440				5.1		15.0			
1,3-Dichlorobenzene	1.9208 2.0602	2.0652	2.0360	2.0406	1.9734	Ave		2.0160				2.8		15.0			
1,4-Dichlorobenzene	1.9924 2.0660	2.0147	1.9743	2.0135	1.9723	Ave		2.0055				1.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
p-Isopropyltoluene	3.3877 4.2446	3.8346	3.9961	4.0493	4.0824	Ave		3.9324				7.6		15.0			
Benzyl chloride	0.9207 1.6160	0.9617	1.1876	1.3745	1.4909	LinF		1.5978							0.9985		0.9900
1,2-Dichlorobenzene	1.9123 1.8678	1.9153	1.8538	1.8999	1.8377	Ave		1.8811				1.7		15.0			
1,4-Diethylbenzene	1.2304 1.0530	1.0375	1.1499	1.1126	1.0220	Ave		1.1009				7.3		15.0			
n-Butylbenzene	3.9130 4.5930	4.3683	4.5099	4.5306	4.4634	Ave		4.3964				5.7		15.0			
1,2-Dibromo-3-Chloropropane	0.2443 0.1679	0.1500	0.1543	0.1671	0.1706	LinF		0.1683							0.9999		0.9900
1,2,4,5-Tetramethylbenzene	1.7605 1.5148	1.5515	1.6668	1.6491	1.5510	Ave		1.6156				5.8		15.0			
Camphor	0.0858 0.0878	0.0801	0.0779	0.0878	0.0882	Ave		0.0846				5.3		15.0			
1,2,4-Trichlorobenzene	1.5640 1.5143	1.5817	1.5445	1.5793	1.4744	Ave		1.5430				2.7		15.0			
Hexachlorobutadiene	0.8483 1.0200	0.9647	0.9921	1.0268	1.0132	Ave		0.9775				6.9		15.0			
Naphthalene	2.9291 2.9837	3.0496	2.9889	3.1378	2.9212	Ave		3.0017				2.7		15.0			
1,2,3-Trichlorobenzene	1.3727 1.3622	1.4474	1.4139	1.4389	1.3387	Ave		1.3956				3.2		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2310 0.1901	0.2058	0.2119	0.1972	0.1966	Ave		0.2054				7.1		15.0			
Toluene-d8 (Surr)	0.9823 0.9975	1.0130	1.0576	1.0075	1.0271	Ave		1.0142				2.6		15.0			
Bromofluorobenzene	0.6628 0.7304	0.6907	0.7265	0.6835	0.7088	Ave		0.7005				3.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-121151/2	o62499.d
Level 2	IC 460-121151/3	o62501.d
Level 3	ICIS 460-121151/4	o62502.d
Level 4	IC 460-121151/5	o62503.d
Level 5	IC 460-121151/6	o62504.d
Level 6	IC 460-121151/7	o62505.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	5419 3062936	28316	121952	314333	1179938	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	7677 3607633	32856	127295	341511	1425616	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	LinF	6073 3393773	24325	124661	331517	1355349	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	LinF	4535 2028883	17830	63992	162491	737556	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	3222 1789915	13981	62688	142321	700833	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	9606 5259568	45978	211072	525475	2011875	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	8667 4602939	39924	167055	433030	1769643	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	Ave	2222 1420972	11448	52273	134675	531424	1.00 500	5.00	20.0	50.0	200
Ethanol	FB	Ave	25620 176191	48998	67121	102706	123174	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	3628 2032821	20921	78215	202368	790143	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	5971 4425668	35602	165750	433137	1740434	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	59834 379475	128020	181169	259987	303853	100 600	200	300	400	500
1,1-Dichloroethene	FB	Ave	4217 2385160	21937	90895	233734	921671	1.00 500	5.00	20.0	50.0	200
Freon TF	FB	Ave	4794 3161222	27130	121442	305315	1185456	1.00 500	5.00	20.0	50.0	200
Acetone	FB	QuaF	16010 1197911	22012	26222	65490	238509	10.0 1000	15.0	20.0	50.0	200
Iodomethane	FB	Ave	6191 3710369	30043	141583	371805	1471862	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 121151

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	13773 9499499	68078	324892	852050	3522741	1.00 500	5.00	20.0	50.0	200
Acetonitrile	FB	Ave	23749 11033764	109779	444155	1136554	4307593	20.0 10000	100	400	1000	4000
Methyl acetate	FB	Ave	822 471520	4706	16149	40982	174726	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	LinF	8729 2641985	28149	105248	268648	1034518	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	10753 5090230	48248	170494	474993	1866204	20.0 10000	100	400	1000	4000
trans-1,2-Dichloroethene	FB	Ave	5445 2882846	27869	112705	284918	1117659	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	75820 531239	156746	226508	316136	395104	50.0 300	100	150	200	250
MTBE	FB	Ave	10750 7196426	62332	240282	655778	2692151	1.00 500	5.00	20.0	50.0	200
Hexane	FB	Ave	3290 2517395	20200	85602	241229	968339	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	9364 4912115	48741	189185	490682	1918047	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	18563 12586152	110301	407559	1170352	4923332	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	12995 9224159	77468	300006	828321	3538728	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	10613 8049386	63199	256870	711740	3012435	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	8956 4317270	39377	159795	421987	1701954	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	5739 3182239	29763	122870	315136	1247047	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	Ave	5533 530898	7775	10648	23261	110390	10.0 1000	15.0	20.0	50.0	200
Ethyl acetate	FB	Ave	617 454526	4222	13724	40537	171317	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	2885 1368441	14271	53263	137643	536529	1.00 500	5.00	20.0	50.0	200
Tetrahydrofuran	FB	LinF	3254 761262	9949	28848	78162	284381	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	9463 4669644	47097	183937	476556	1840635	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	6981 4457034	38140	164213	430101	1756573	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 121151

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Cyclohexane	FB	Ave	9506 5525620	50987	214964	547692	2108702	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	5360 3907011	31331	136568	361241	1513077	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	6132 4348249	38758	162208	429290	1691346	1.00 500	5.00	20.0	50.0	200
Benzene	FB	Ave	17523 11568760	104120	417915	1118605	4556323	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	5853 3044371	31364	118320	302516	1196478	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	12594 10449033	79694	306824	905687	3904909	2.00 1000	10.0	40.0	100	400
Tert-amyl methyl ether	FB	Ave	8805 7063940	53124	212969	594070	2605162	1.00 500	5.00	20.0	50.0	200
2,4,4-Trimethyl-1-pentene	FB	Ave	2872 2477312	17507	83877	227564	938246	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	4011 3001825	27074	106467	289773	1162458	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	28878 246896	60741	81190	127784	164171	500 3000	1000	1500	2000	2500
Ethyl acrylate	FB	Ave	140 137160	1139	4471	11905	48816	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	7384 5876755	46848	215275	558363	2250385	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	4247 2696386	25401	95801	258949	1056005	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	2492 1404544	14045	53335	141682	555481	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	2329 1595304	13325	50107	142957	596292	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	Ave	2693 105748	6895	8567	11205	14036	50.0 2000	100	150	200	250
Propyl acetate	FB	Ave	5192 3138106	26189	93742	277077	1182988	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	5419 3536356	30046	121092	332215	1373402	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	1919 1490960	12201	47087	135831	558044	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	FB	Ave	7168 4401995	39935	159137	436616	1685841	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	FB	Ave	5283 4345948	34999	146501	406358	1694988	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 121151

SDG No.:

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Nitropropane	FB	Ave	3060 2025081	16662	66627	186948	796322	2.00 1000	10.0	40.0	100	400
4-Methyl-2-pentanone	FB	Ave	28988 4091882	55860	64244	188629	816778	10.0 1000	15.0	20.0	50.0	200
Toluene	CBZ	Ave	23420 12408228	125905	455309	1186897	4839749	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	LinF	4461 3783179	27435	116091	342729	1457519	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	2746 1756488	16536	61260	169584	691623	1.00 500	5.00	20.0	50.0	200
Tetrachloroethene	CBZ	Ave	5813 3607646	32452	130594	334921	1404909	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	5974 3689589	34094	133697	360147	1460237	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	21675 2865409	38166	47250	129539	549478	10.0 1000	15.0	20.0	50.0	200
Dibromochloromethane	CBZ	Ave	3179 2738888	20383	82873	240544	1043197	1.00 500	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	14025 6617475	61243	224932	600921	2486933	2.00 1000	10.0	40.0	100	400
1,2-Dibromoethane	CBZ	Ave	3207 2176935	18844	75428	204244	848073	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	14069 7989510	74200	287785	755732	3090197	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	LinF	3282 2880635	20414	88871	249542	1112888	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	7194 4477841	42104	162422	426722	1714149	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	17839 11186996	105422	405672	1050089	4231460	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	9735 5339974	50589	200152	509629	2053431	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	14578 9160176	85010	327287	853555	3472433	1.00 500	5.00	20.0	50.0	200
Butyl acrylate	DCB	Ave	8783 4374398	38136	147722	387871	1586008	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	QuaF	1844 1893446	12486	49942	152210	700064	1.00 500	5.00	20.0	50.0	200
Amly acetate	CBZ	Ave	3684 2322117	19720	74103	200743	843560	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	24560 14796183	136589	538071	1402776	5639939	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Camphepane, Total	DCB	Ave	2368 1238713	9863	43088	116837	466839	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	6988 3503932	33492	130030	335347	1324113	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	4543 2727272	24686	93026	262041	1058832	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	1492 809077	7538	28595	76572	315899	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	FB	Ave	1263 785946	5907	24813	70199	293428	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	28303 17658372	167490	655708	1689582	6688169	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	17364 9630015	93263	360830	931500	3672758	1.00 500	5.00	20.0	50.0	200
p-Ethyltoluene	FB	Ave	25470 14330310	135756	559005	1400593	5330731	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	17886 10099611	95884	362631	942085	3751822	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	21473 11993446	109934	442843	1144754	4606679	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	LinF	4956 3981955	28814	127712	357214	1497842	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	18831 11000237	105516	415203	1067427	4282184	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	21290 11973151	111318	442431	1150491	4655532	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	29312 16678037	157436	621551	1613366	6501057	1.00 500	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	13085 6842232	69217	267180	679334	2640200	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	13573 6861321	67525	259080	670308	2638697	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	23078 14096749	128519	524406	1348040	5461851	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	LinF	6272 5366823	32233	155845	457572	1994718	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	13027 6203377	64192	243268	632494	2458643	1.00 500	5.00	20.0	50.0	200
1,4-Diethylbenzene	FB	Ave	15776 8523322	78391	336983	847336	3264878	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	26656 15253988	146405	591827	1508271	5971682	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 121151

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 07/21/2012 00:10 Calibration End Date: 07/21/2012 02:40 Calibration ID: 16505

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dibromo-3-Chloropropane	DCB	LinF	1664 557615	5026	20254	55635	228308	1.00 500	5.00	20.0	50.0	200
1,2,4,5-Tetramethylbenzene	FB	Ave	22572 12260583	117228	488471	1255892	4954775	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	Ave	2923 1457785	13429	51136	146135	590304	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	10654 5029296	53010	202686	525762	1972547	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	5779 3387596	32333	130194	341836	1355610	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	19954 9909416	102208	392236	1044605	3908290	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	Ave	9351 4524205	48509	185541	479025	1791090	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	148085 153887	155508	155225	150173	157043	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	524620 613129	583324	594535	573965	619349	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	225764 242565	231502	238339	227557	237064	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD  
 LinF = Linear ISTD forced zero  
 QuaF = Quadratic ISTD forced zero

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62499.d  
Report Date: 25-Jul-2012 11:16

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62499.d  
Lab Smp Id: IC-VMCAL1  
Inj Date : 21-JUL-2012 00:10  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : IC-VMCAL1  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/8260L\_10.m  
Meth Date : 25-Jul-2012 11:16 vibha Quant Type: ISTD  
Cal Date : 21-JUL-2012 00:10 Cal File: o62499.d  
Als bottle: 2 Calibration Sample, Level: 1  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)	ON-COL
90 Dichlorodifluoromethane	85	0.859	0.866	(0.232)		5419	1.00000	1.1(M)
1 Chloromethane	50	0.988	0.987	(0.267)		7677	1.00000	1.3
4 Vinyl Chloride	62	1.009	1.009	(0.273)		6073	1.00000	1.1(M)
3 Bromomethane	94	1.167	1.159	(0.315)		4535	1.00000	1.4(M)
5 Chloroethane	64	1.217	1.217	(0.329)		3222	1.00000	1.2
9 Trichlorofluoromethane	101	1.331	1.331	(0.360)		8667	1.00000	1.2
121 n-Pentane	72	1.367	1.367	(0.369)		2222	1.00000	1.0
127 Ethanol	46	1.482	1.475	(0.400)		25620	1000.00	1200
46 Ethyl Ether	59	1.496	1.496	(0.404)		3628	1.00000	1.1
119 Isoprene	67	1.496	1.496	(0.404)		5971	1.00000	0.88(a)
157 Dichlorofluoromethane	67	1.317	1.317	(0.356)		9606	1.00000	1.1(H)
47 Acrolein	56	1.568	1.568	(0.423)		59834	100.000	110
10 1,1-Dichloroethene	96	1.611	1.611	(0.435)		4217	1.00000	1.1
48 Freon TF	101	1.611	1.611	(0.435)		4794	1.00000	0.97(a)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62499.d  
 Report Date: 25-Jul-2012 11:16

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.661	1.661 (0.449)		16010	10.0000	17
142 Iodomethane	142	1.697	1.697 (0.458)		6191	1.00000	1.0
8 Carbon Disulfide	76	1.725	1.725 (0.466)		13773	1.00000	0.99(a)
50 Acetonitrile	41	1.826	1.818 (0.493)		23749	20.0000	25
125 Methyl acetate	74	1.840	1.847 (0.497)		822	1.00000	1.1
6 Methylene Chloride	84	1.897	1.897 (0.512)		8729	1.00000	2.1
51 TBA	59	1.998	1.997 (0.540)		10753	20.0000	26
52 Acrylonitrile	53	2.062	2.055 (0.557)		75820	50.0000	56
12 trans-1,2-Dichloroethene	96	2.055	2.055 (0.555)		5445	1.00000	1.1
53 MTBE	73	2.062	2.062 (0.557)		10750	1.00000	0.99(a)
54 Hexane	56	2.220	2.227 (0.600)		3290	1.00000	0.88(a)
11 1,1-Dichloroethane	63	2.334	2.334 (0.630)		9364	1.00000	1.1
57 Vinyl Acetate	43	2.377	2.377 (0.642)		18563	1.00000	0.97(a)
55 DIPE	45	2.392	2.384 (0.646)		12995	1.00000	0.95(a)
149 tert-Butyl ethyl ether	59	2.649	2.649 (0.716)		10613	1.00000	0.92(a)
104 2,2-Dichloropropane	77	2.735	2.742 (0.739)		8956	1.00000	1.2
13 cis-1,2-Dichloroethene	96	2.743	2.742 (0.741)		5739	1.00000	1.1
18 2-Butanone	72	2.778	2.778 (0.750)		5533	10.0000	12
56 Ethyl Acetate	70	2.836	2.828 (0.766)		617	2.00000	1.8(a)
108 Bromochloromethane	128	2.929	2.929 (0.791)		2885	1.00000	1.2
160 Tetrahydrofuran	42	2.972	2.972 (0.803)		3254	1.00000	2.7
15 Chloroform	83	3.000	3.000 (0.810)		9463	1.00000	1.2
20 1,1,1-Trichloroethane	97	3.129	3.129 (0.845)		6981	1.00000	1.00
59 Cyclohexane	56	3.165	3.165 (0.855)		9506	1.00000	1.0
21 Carbon Tetrachloride	117	3.258	3.258 (0.880)		5360	1.00000	0.92(a)
92 1,1-Dichloropropene	75	3.265	3.265 (0.882)		6132	1.00000	0.90(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409 (0.921)		148085	50.0000	56
28 Benzene	78	3.445	3.444 (0.930)		17523	1.00000	0.96(a)
17 1,2-Dichloroethane	62	3.473	3.473 (0.938)		5853	1.00000	1.1
61 Isopropyl Acetate	43	3.566	3.566 (0.963)		12594	2.00000	1.7(a)
140 tert-Amylmethyl Ether	73	3.566	3.566 (0.963)		8805	1.00000	0.90(a)
* 69 Fluorobenzene	96	3.702	3.702 (1.000)		641079	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010 (1.083)		2872	1.00000	0.82(a)
25 Trichloroethene	95	4.053	4.053 (1.095)		4011	1.00000	0.87(a)
63 n-Butanol	43	4.089	4.089 (1.104)		28878	500.000	530
96 Ethyl Acrylate	85	4.211	4.218 (1.137)		140	1.00000	0.74(aM)
126 Methyl cyclohexane	83	4.218	4.225 (1.139)		7384	1.00000	0.84(a)
23 1,2-Dichloropropane	63	4.275	4.282 (1.155)		4247	1.00000	0.99(a)
109 Dibromomethane	93	4.397	4.397 (1.188)		2492	1.00000	1.1
95 1,4-Dioxane	88	4.455	4.454 (1.203)		2693	50.0000	30(a)
146 Methyl methacrylate	69	4.455	4.454 (1.203)		2329	1.00000	0.99(a)
64 Propyl Acetate	43	4.533	4.540 (1.224)		5192	2.00000	2.2
22 Bromodichloromethane	83	4.583	4.583 (1.238)		5419	1.00000	1.00
30 2-Chloroethyl Vinyl Ether	63	4.956	4.963 (1.339)		1919	1.00000	0.89(a)
159 2-Nitropropane	39	5.099	5.092 (1.377)		3060	2.00000	2.0(aH)
118 Epichlorohydrin	57	5.013	5.013 (1.354)		7168	20.0000	20
24 cis-1,3-Dichloropropene	75	5.092	5.092 (1.375)		5283	1.00000	0.83(a)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62499.d  
 Report Date: 25-Jul-2012 11:16

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314 (1.435)		28988	10.0000	9.4(a)
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386 (0.741)		524620	50.0000	48
38 Toluene	91	5.465	5.464 (0.752)		23420	1.00000	1.0
29 trans-1,3-Dichloropropene	75	5.787	5.787 (0.796)		4461	1.00000	0.68(a)
27 1,1,2-Trichloroethane	83	6.009	6.009 (0.827)		2746	1.00000	0.91(a)
35 Tetrachloroethene	166	6.131	6.130 (0.843)		5813	1.00000	0.95(a)
103 1,3-Dichloropropane	76	6.209	6.209 (0.854)		5974	1.00000	0.94(a)
34 2-Hexanone	43	6.389	6.396 (0.879)		21675	10.0000	9.2(a)
26 Dibromochloromethane	129	6.496	6.496 (0.894)		3179	1.00000	0.77(a)
65 Butyl Acetate	43	6.603	6.610 (0.908)		14025	2.00000	2.4
66 1,2-Dibromoethane	107	6.611	6.610 (0.909)		3207	1.00000	0.89(a)
* 32 Chlorobenzene-d5	117	7.270	7.269 (1.000)		534078	50.0000	
39 Chlorobenzene	112	7.305	7.312 (1.005)		14069	1.00000	1.0
97 1,1,1,2-Tetrachloroethane	131	7.456	7.463 (1.026)		3282	1.00000	0.66(a)
40 Ethylbenzene	106	7.513	7.513 (1.034)		7194	1.00000	0.94(a)
43 m+p-Xylene	106	7.692	7.692 (1.058)		17839	2.00000	1.9(a)
44 o-Xylene	106	8.265	8.272 (1.137)		9735	1.00000	1.0
42 Styrene	104	8.301	8.308 (1.142)		14578	1.00000	0.94(a)
147 Butyl Acrylate	55	8.380	8.380 (0.766)		8783	1.00000	1.1
31 Bromoform	173	8.545	8.537 (1.175)		1844	1.00000	0.62(a)
145 Amyl Acetate	43	8.774	8.766 (1.207)		3684	1.00000	0.99(a)
110 Isopropylbenzene	105	8.867	8.867 (1.220)		24560	1.00000	0.97(a)
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075 (0.830)		225764	50.0000	47
150 Camphene	41	9.204	9.196 (0.842)		2368	1.00000	1.0(M)
107 Bromobenzene	156	9.247	9.254 (0.845)		6988	1.00000	1.0
36 1,1,2,2-Tetrachloroethane	83	9.418	9.411 (0.861)		4543	1.00000	0.89(a)
99 1,2,3-Trichloropropane	110	9.418	9.418 (0.861)		1492	1.00000	0.96(a)
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504 (2.567)		1263	1.00000	1.1
112 n-Propylbenzene	91	9.526	9.526 (0.871)		28303	1.00000	0.84(a)
105 2-Chlorotoluene	91	9.598	9.597 (0.878)		17364	1.00000	0.92(a)
161 4-Ethyltoluene	105	9.719	9.726 (2.625)		25470	1.00000	1.1(a)
106 4-Chlorotoluene	91	9.784	9.784 (0.895)		17886	1.00000	0.93(a)
102 1,3,5-Trimethylbenzene	105	9.841	9.841 (0.900)		21473	1.00000	0.93(a)
148 Butyl methacrylate	69	10.142	10.142 (0.927)		4956	1.00000	0.61(a)
115 tert-Butylbenzene	119	10.350	10.350 (0.946)		18831	1.00000	0.88(a)
100 1,2,4-Trimethylbenzene	105	10.428	10.428 (0.954)		21290	1.00000	0.92(a)
114 sec-Butylbenzene	105	10.715	10.715 (0.980)		29312	1.00000	0.91(a)
67 1,3-Dichlorobenzene	146	10.808	10.815 (0.988)		13085	1.00000	0.95(a)
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937 (1.000)		340611	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973 (1.003)		13573	1.00000	0.99(a)
113 p-Isopropyltoluene	119	10.994	10.994 (1.005)		23078	1.00000	0.86(a)
117 Benzyl chloride	91	11.238	11.238 (1.028)		6272	1.00000	0.58(a)
69 1,2-Dichlorobenzene	146	11.510	11.517 (1.052)		13027	1.00000	1.0
162 1,4-Diethylbenzene	119	11.575	11.582 (3.126)		15776	1.00000	1.1(a)
111 n-Butylbenzene	91	11.603	11.603 (1.061)		26656	1.00000	0.89(a)
101 1,2-Dibromo-3-chloropropane	75	12.477	12.484 (1.141)		1664	1.00000	1.4
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491 (3.374)		22572	1.00000	1.1(a)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62499.d  
Report Date: 25-Jul-2012 11:16

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
152 Camphor	95	13.186	13.186	(1.206)		2923	5.00000
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)		10654	1.00000
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)		5779	1.00000
70 Naphthalene	128	13.480	13.480	(1.232)		19954	1.00000
98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)		9351	1.00000
M 14 1,2-Dichloroethene (total)	100					11184	2.00000
M 45 Xylene (Total)	100					27574	3.00000
							2.9(a)

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

M - Compound response manually integrated.

H - Operator selected an alternate compound hit.

Data File: 062499.d

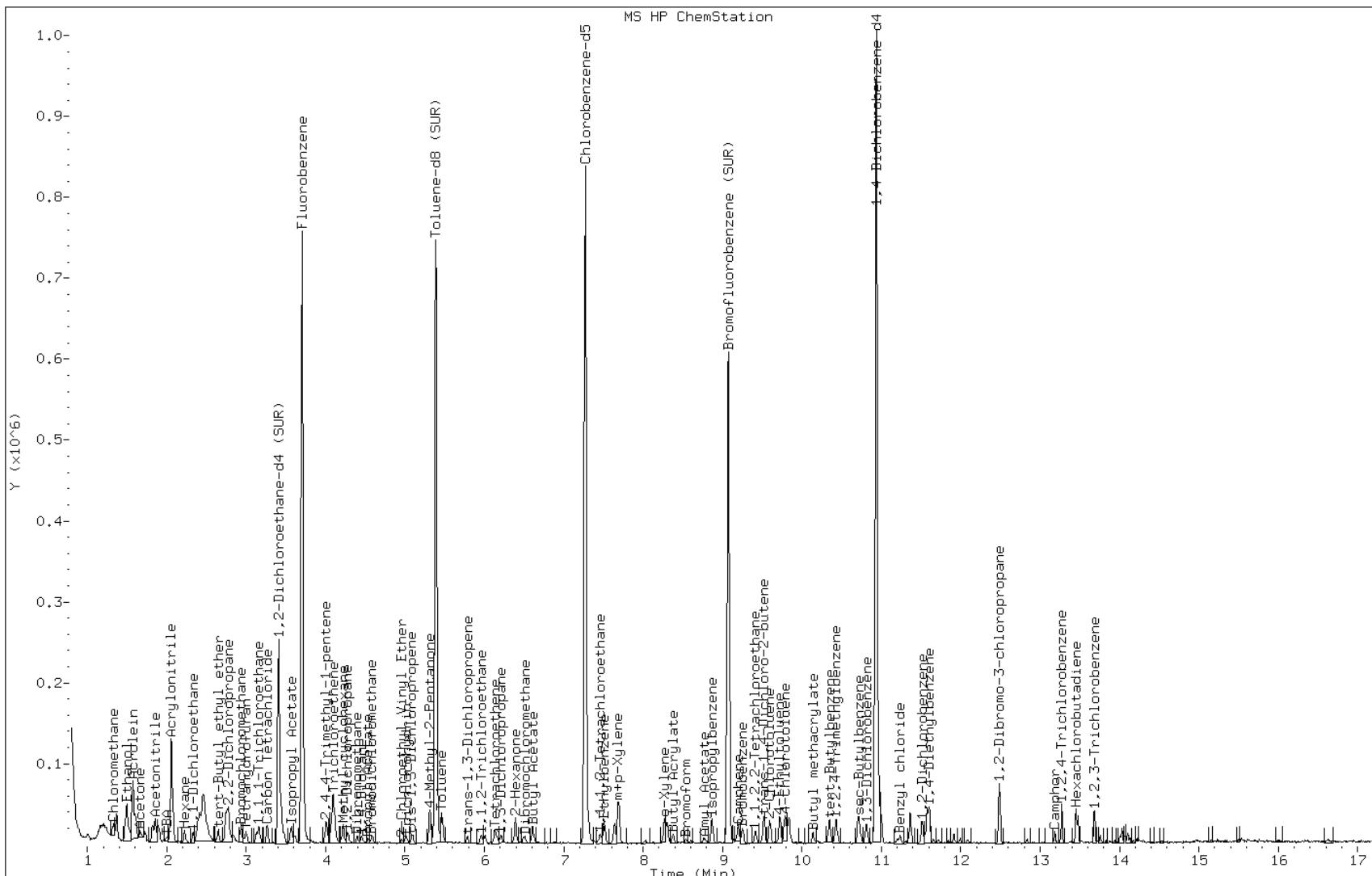
Date: 21-JUL-2012 00:10

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCALL

Operator: VOAMS 9

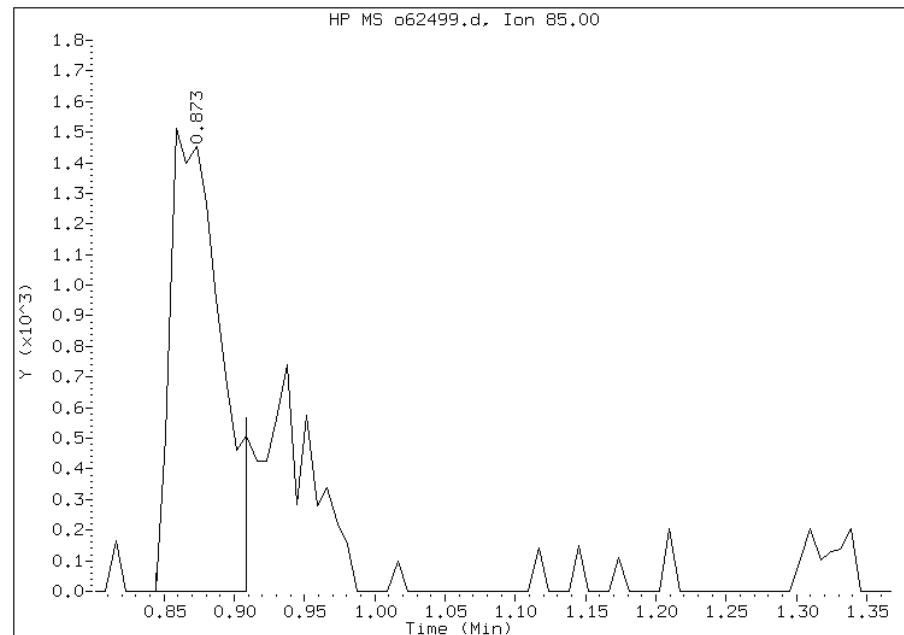


## Manual Integration Report

Data File: o62499.d  
Inj. Date and Time: 21-JUL-2012 00:10  
Instrument ID: VOAMS12.i  
Client ID:  
Compound: 90 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 07/27/2012

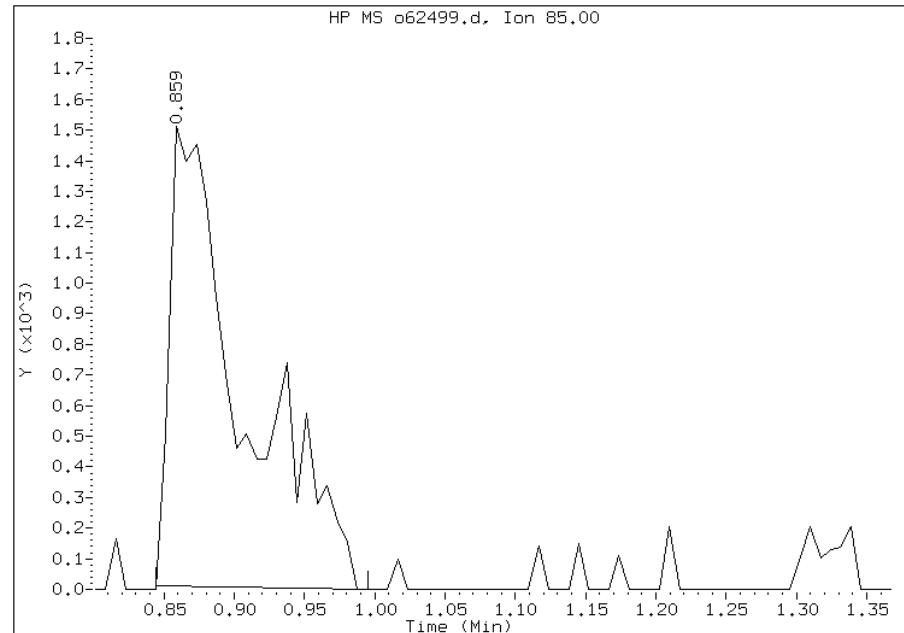
### Processing Integration Results

RT: 0.87  
Response: 3751  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 0.86  
Response: 5419  
Amount: 1  
Conc: 1



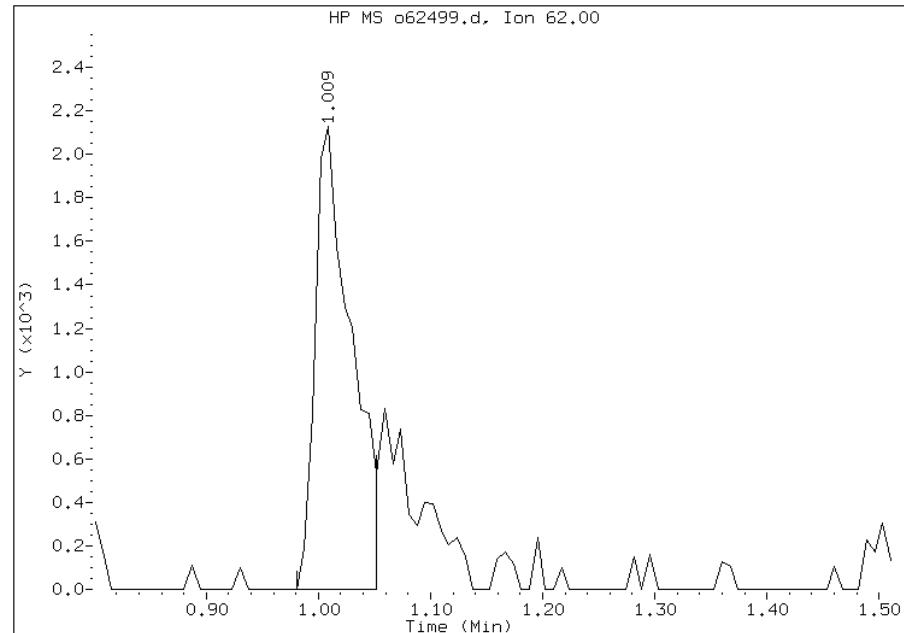
Manually Integrated By: delpolit  
Manual Integration Reason: Split Peak

## Manual Integration Report

Data File: o62499.d  
Inj. Date and Time: 21-JUL-2012 00:10  
Instrument ID: VOAMS12.i  
Client ID:  
Compound: 4 Vinyl Chloride  
CAS #: 75-01-4  
Report Date: 07/27/2012

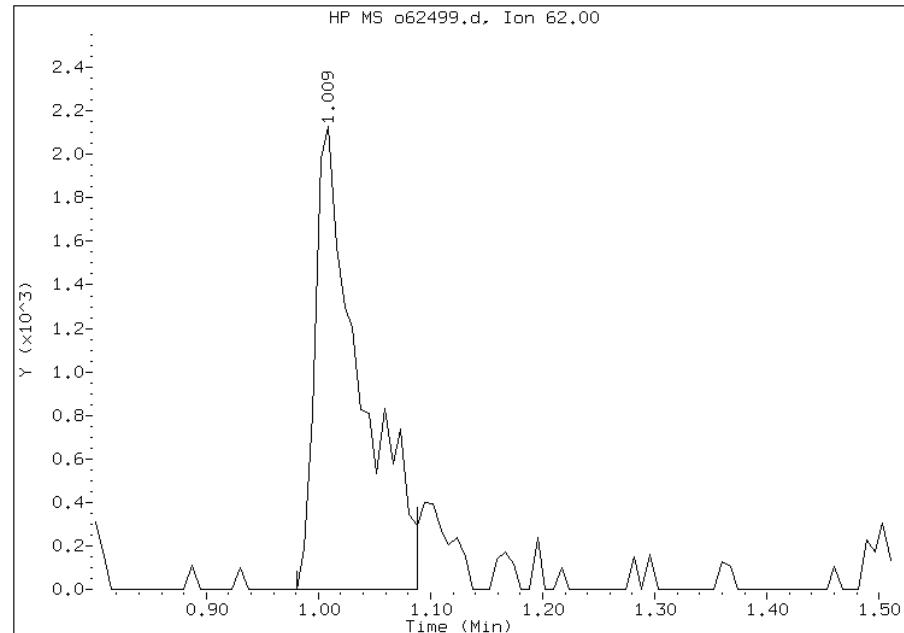
### Processing Integration Results

RT: 1.01  
Response: 4875  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 1.01  
Response: 6073  
Amount: 1  
Conc: 1



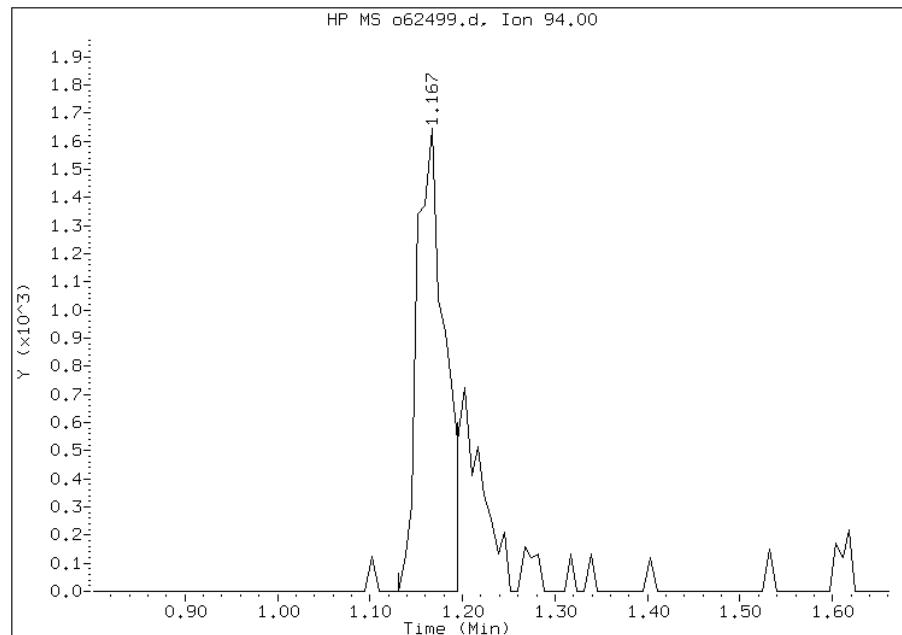
Manually Integrated By: delpolit  
Manual Integration Reason: Split Peak

## Manual Integration Report

Data File: o62499.d  
Inj. Date and Time: 21-JUL-2012 00:10  
Instrument ID: VOAMS12.i  
Client ID:  
Compound: 3 Bromomethane  
CAS #: 74-83-9  
Report Date: 07/27/2012

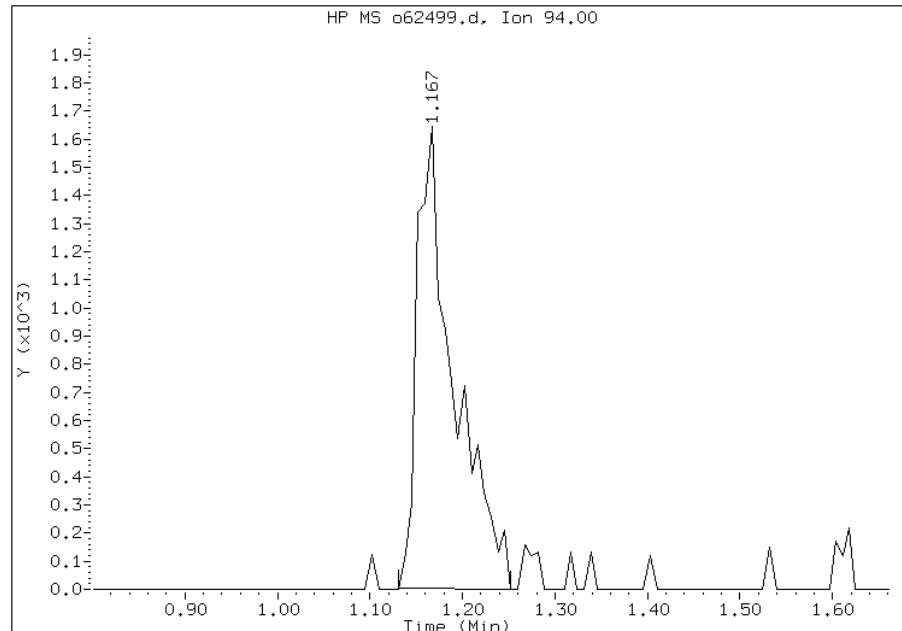
### Processing Integration Results

RT: 1.17  
Response: 3447  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 1.17  
Response: 4535  
Amount: 1  
Conc: 1



Manually Integrated By: delpolit

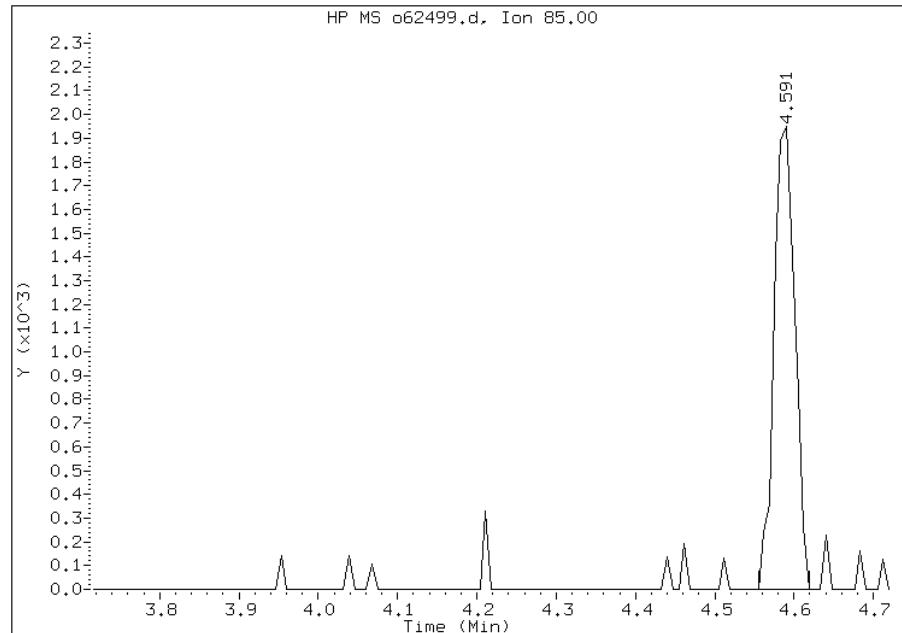
Manual Integration Reason: Analyte not Identified by the Data System

## Manual Integration Report

Data File: o62499.d  
Inj. Date and Time: 21-JUL-2012 00:10  
Instrument ID: VOAMS12.i  
Client ID:  
Compound: 96 Ethyl Acrylate  
CAS #: 140-88-5  
Report Date: 07/27/2012

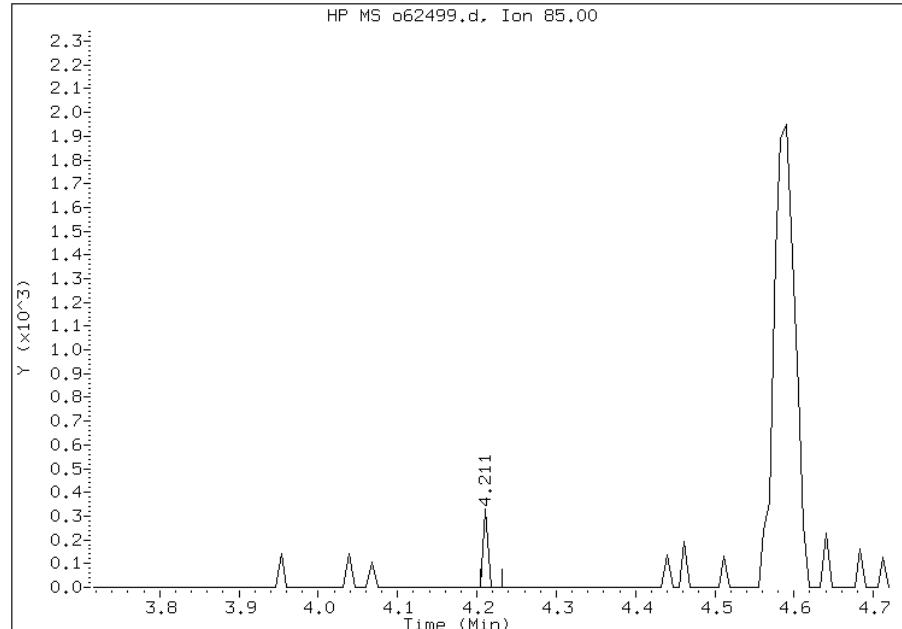
### Processing Integration Results

RT: 4.59  
Response: 3579  
Amount: 5  
Conc: 5



### Manual Integration Results

RT: 4.21  
Response: 140  
Amount: 1  
Conc: 1



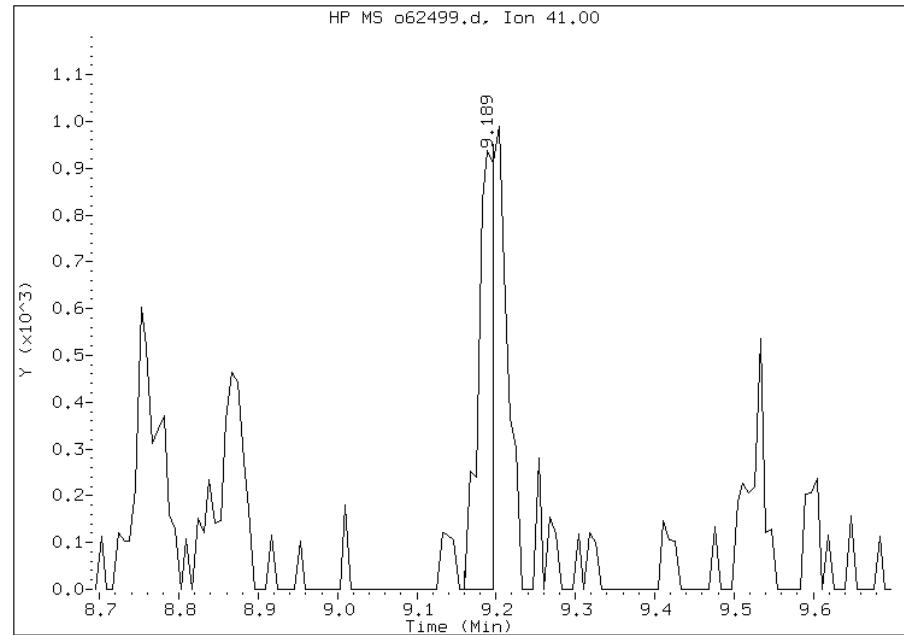
Manually Integrated By: delpolit  
Manual Integration Reason: Analyte not Identified by the Data System

## Manual Integration Report

Data File: o62499.d  
Inj. Date and Time: 21-JUL-2012 00:10  
Instrument ID: VOAMS12.i  
Client ID:  
Compound: 150 Camphene  
CAS #: 79-92-5  
Report Date: 07/27/2012

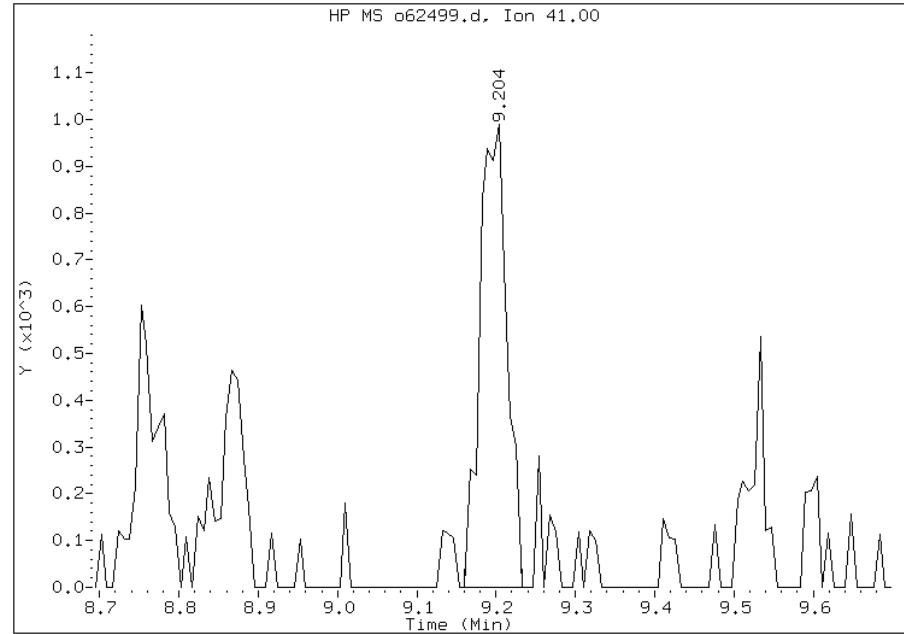
### Processing Integration Results

RT: 9.19  
Response: 1363  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 9.20  
Response: 2368  
Amount: 1  
Conc: 1



Manually Integrated By: delpolit  
Manual Integration Reason: Split Peak

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62501.d  
Report Date: 25-Jul-2012 11:17

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62501.d  
Lab Smp Id: IC-VMCAL2  
Inj Date : 21-JUL-2012 01:00  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : IC-VMCAL2  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/8260L\_10.m  
Meth Date : 25-Jul-2012 11:17 vibha Quant Type: ISTD  
Cal Date : 21-JUL-2012 01:00 Cal File: o62501.d  
Als bottle: 4 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)	ON-COL
90 Dichlorodifluoromethane	85	0.866	0.866 (0.234)			28316	5.00000	4.7
1 Chloromethane	50	1.002	0.987 (0.271)			32856	5.00000	4.6
4 Vinyl Chloride	62	1.009	1.009 (0.273)			24325	5.00000	3.8
3 Bromomethane	94	1.167	1.159 (0.315)			17830	5.00000	4.8
5 Chloroethane	64	1.217	1.217 (0.329)			13981	5.00000	4.3
9 Trichlorofluoromethane	101	1.331	1.331 (0.360)			39924	5.00000	4.6
121 n-Pentane	72	1.374	1.367 (0.371)			11448	5.00000	4.4
127 Ethanol	46	1.482	1.475 (0.400)			48998	2000.00	1900
46 Ethyl Ether	59	1.496	1.496 (0.404)			20921	5.00000	5.2
119 Isoprene	67	1.496	1.496 (0.404)			35602	5.00000	4.5
157 Dichlorofluoromethane	67	1.317	1.317 (0.356)			45978	5.00000	4.5(H)
47 Acrolein	56	1.575	1.568 (0.425)			128020	200.000	200
10 1,1-Dichloroethene	96	1.611	1.611 (0.435)			21937	5.00000	4.8
48 Freon TF	101	1.611	1.611 (0.435)			27130	5.00000	4.7

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62501.d  
 Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.668	1.661	(0.451)	22012	15.0000	20
142 Iodomethane	142	1.697	1.697	(0.458)	30043	5.00000	4.3
8 Carbon Disulfide	76	1.725	1.725	(0.466)	68078	5.00000	4.2
50 Acetonitrile	41	1.818	1.818	(0.491)	109779	100.000	96
125 Methyl acetate	74	1.840	1.847	(0.497)	4706	5.00000	5.4
6 Methylene Chloride	84	1.897	1.897	(0.512)	28149	5.00000	5.7
51 TBA	59	2.005	1.997	(0.541)	48248	100.000	98
52 Acrylonitrile	53	2.062	2.055	(0.557)	156746	100.000	98
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.555)	27869	5.00000	4.9
53 MTBE	73	2.069	2.062	(0.559)	62332	5.00000	4.9
54 Hexane	56	2.227	2.227	(0.601)	20200	5.00000	4.6
11 1,1-Dichloroethane	63	2.334	2.334	(0.630)	48741	5.00000	5.0
57 Vinyl Acetate	43	2.384	2.377	(0.644)	110301	5.00000	4.9
55 DIPE	45	2.391	2.384	(0.646)	77468	5.00000	4.8
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.716)	63199	5.00000	4.6
104 2,2-Dichloropropane	77	2.742	2.742	(0.741)	39377	5.00000	4.6
13 cis-1,2-Dichloroethene	96	2.750	2.742	(0.743)	29763	5.00000	4.8
18 2-Butanone	72	2.785	2.778	(0.752)	7775	15.0000	14
56 Ethyl Acetate	70	2.835	2.828	(0.766)	4222	10.0000	11
108 Bromochloromethane	128	2.929	2.929	(0.791)	14271	5.00000	5.1
160 Tetrahydrofuran	42	2.972	2.972	(0.803)	9949	5.00000	7.0
15 Chloroform	83	3.000	3.000	(0.810)	47097	5.00000	5.0
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.845)	38140	5.00000	4.6
59 Cyclohexane	56	3.165	3.165	(0.855)	50987	5.00000	4.8
21 Carbon Tetrachloride	117	3.258	3.258	(0.880)	31331	5.00000	4.6
92 1,1-Dichloropropene	75	3.265	3.265	(0.882)	38758	5.00000	4.8
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	155508	50.0000	50
28 Benzene	78	3.444	3.444	(0.930)	104120	5.00000	4.9
17 1,2-Dichloroethane	62	3.473	3.473	(0.938)	31364	5.00000	5.1
61 Isopropyl Acetate	43	3.566	3.566	(0.963)	79694	10.0000	9.3
140 tert-Amylmethyl Ether	73	3.566	3.566	(0.963)	53124	5.00000	4.6
* 69 Fluorobenzene	96	3.702	3.702	(1.000)	755601	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010	(1.083)	17507	5.00000	4.2
25 Trichloroethene	95	4.053	4.053	(1.095)	27074	5.00000	5.0
63 n-Butanol	43	4.089	4.089	(1.104)	60741	1000.00	940
96 Ethyl Acrylate	85	4.218	4.218	(1.139)	1139	5.00000	5.1
126 Methyl cyclohexane	83	4.225	4.225	(1.141)	46848	5.00000	4.5
23 1,2-Dichloropropane	63	4.282	4.282	(1.157)	25401	5.00000	5.0
109 Dibromomethane	93	4.404	4.397	(1.190)	14045	5.00000	5.1
95 1,4-Dioxane	88	4.483	4.454	(1.211)	6895	100.000	66
146 Methyl methacrylate	69	4.454	4.454	(1.203)	13325	5.00000	4.8
64 Propyl Acetate	43	4.540	4.540	(1.226)	26189	10.0000	9.5
22 Bromodichloromethane	83	4.583	4.583	(1.238)	30046	5.00000	4.7
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.341)	12201	5.00000	4.8
159 2-Nitropropane	39	5.092	5.092	(1.375)	16662	10.0000	9.2(H)
118 Epichlorohydrin	57	5.013	5.013	(1.354)	39935	100.000	97
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	34999	5.00000	4.7

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62501.d  
 Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314 (1.435)			55860	15.0000	15
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386 (0.741)			583324	50.0000	50
38 Toluene	91	5.464	5.464 (0.752)			125905	5.00000	5.2
29 trans-1,3-Dichloropropene	75	5.787	5.787 (0.796)			27435	5.00000	3.9
27 1,1,2-Trichloroethane	83	6.009	6.009 (0.827)			16536	5.00000	5.1
35 Tetrachloroethene	166	6.130	6.130 (0.843)			32452	5.00000	4.9
103 1,3-Dichloropropane	76	6.209	6.209 (0.854)			34094	5.00000	5.0
34 2-Hexanone	43	6.396	6.396 (0.880)			38166	15.0000	15
26 Dibromochloromethane	129	6.496	6.496 (0.894)			20383	5.00000	4.6
65 Butyl Acetate	43	6.610	6.610 (0.909)			61243	10.0000	9.8
66 1,2-Dibromoethane	107	6.603	6.610 (0.908)			18844	5.00000	4.8
* 32 Chlorobenzene-d5	117	7.269	7.269 (1.000)			575833	50.0000	
39 Chlorobenzene	112	7.312	7.312 (1.006)			74200	5.00000	5.0
97 1,1,1,2-Tetrachloroethane	131	7.456	7.463 (1.026)			20414	5.00000	3.8
40 Ethylbenzene	106	7.506	7.513 (1.033)			42104	5.00000	5.1
43 m+p-Xylene	106	7.692	7.692 (1.058)			105422	10.0000	10
44 o-Xylene	106	8.272	8.272 (1.138)			50589	5.00000	5.0
42 Styrene	104	8.308	8.308 (1.143)			85010	5.00000	5.1
147 Butyl Acrylate	55	8.380	8.380 (0.766)			38136	5.00000	4.7
31 Bromoform	173	8.544	8.537 (1.175)			12486	5.00000	3.9
145 Amyl Acetate	43	8.766	8.766 (1.206)			19720	5.00000	4.9
110 Isopropylbenzene	105	8.867	8.867 (1.220)			136589	5.00000	5.0
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075 (0.830)			231502	50.0000	49
150 Camphene	41	9.196	9.196 (0.841)			9863	5.00000	4.3
107 Bromobenzene	156	9.254	9.254 (0.846)			33492	5.00000	4.9
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411 (0.860)			24686	5.00000	4.9
99 1,2,3-Trichloropropane	110	9.418	9.418 (0.861)			7538	5.00000	4.9
143 trans-1,4-Dichloro-2-butene	53	9.497	9.504 (2.565)			5907	5.00000	4.3
112 n-Propylbenzene	91	9.526	9.526 (0.871)			167490	5.00000	5.1
105 2-Chlorotoluene	91	9.597	9.597 (0.878)			93263	5.00000	5.0
161 4-Ethyltoluene	105	9.726	9.726 (2.627)			135756	5.00000	4.9(a)
106 4-Chlorotoluene	91	9.784	9.784 (0.895)			95884	5.00000	5.1
102 1,3,5-Trimethylbenzene	105	9.841	9.841 (0.900)			109934	5.00000	4.8
148 Butyl methacrylate	69	10.142	10.142 (0.927)			28814	5.00000	3.6
115 tert-Butylbenzene	119	10.350	10.350 (0.946)			105516	5.00000	5.0
100 1,2,4-Trimethylbenzene	105	10.435	10.428 (0.954)			111318	5.00000	4.9
114 sec-Butylbenzene	105	10.715	10.715 (0.980)			157436	5.00000	5.0
67 1,3-Dichlorobenzene	146	10.808	10.815 (0.988)			69217	5.00000	5.1
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937 (1.000)			335155	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973 (1.003)			67525	5.00000	5.0
113 p-Isopropyltoluene	119	10.994	10.994 (1.005)			128519	5.00000	4.9
117 Benzyl chloride	91	11.238	11.238 (1.028)			32233	5.00000	3.0
69 1,2-Dichlorobenzene	146	11.517	11.517 (1.053)			64192	5.00000	5.1
162 1,4-Diethylbenzene	119	11.582	11.582 (3.128)			78391	5.00000	4.7(a)
111 n-Butylbenzene	91	11.603	11.603 (1.061)			146405	5.00000	5.0
101 1,2-Dibromo-3-chloropropane	75	12.484	12.484 (1.141)			5026	5.00000	4.4
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491 (3.374)			117228	5.00000	4.8(a)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62501.d  
Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
152 Camphor	95	13.186	13.186	(1.206)		13429	25.0000	24
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)		53010	5.00000	5.1
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)		32333	5.00000	4.9
70 Naphthalene	128	13.480	13.480	(1.232)		102208	5.00000	5.1
98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)		48509	5.00000	5.2
M 14 1,2-Dichloroethene (total)	100					57632	10.0000	9.7
M 45 Xylene (Total)	100					156011	15.0000	15

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

H - Operator selected an alternate compound hit.

Data File: o62501.d

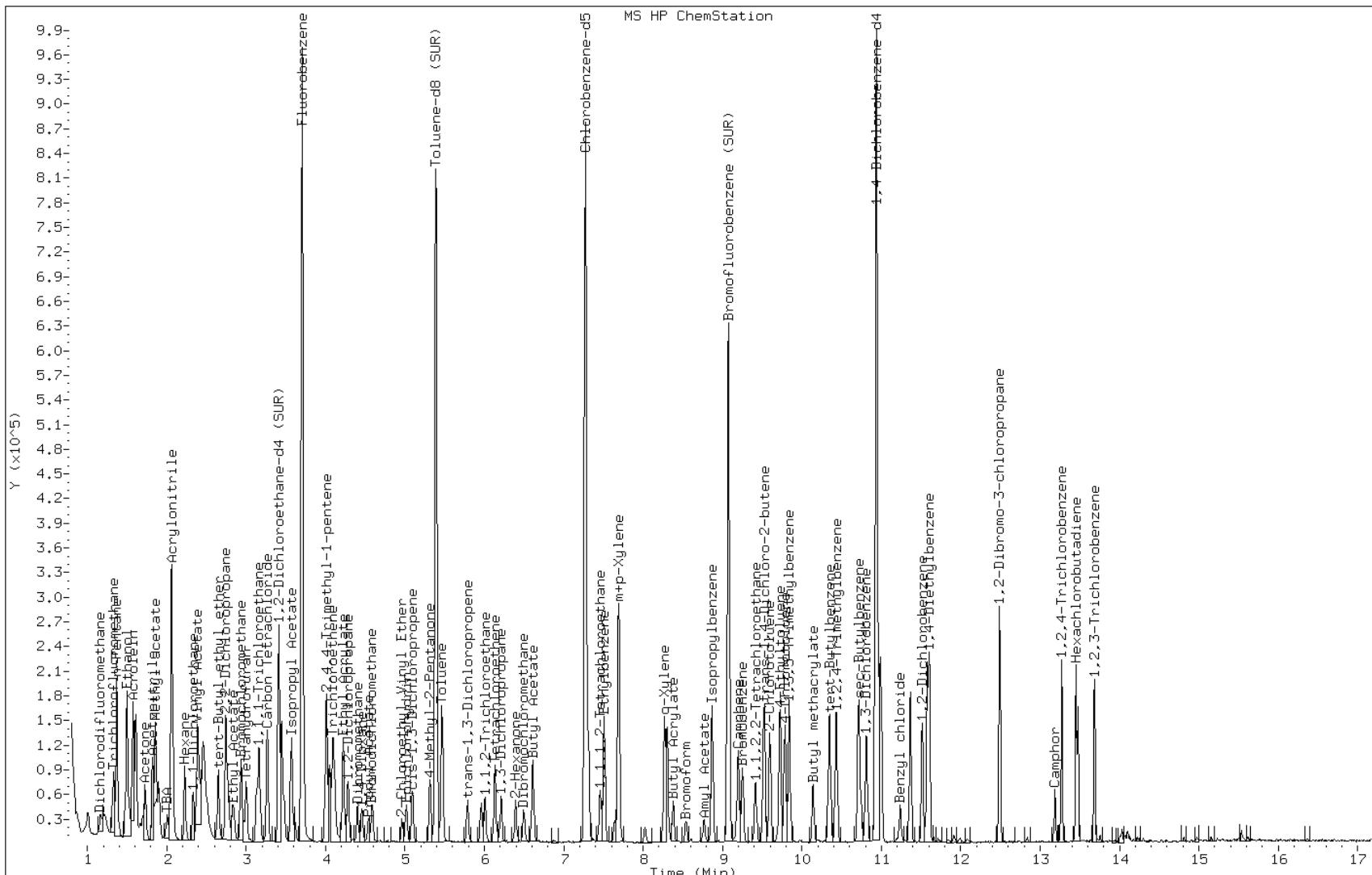
Date: 21-JUL-2012 01:00

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL2

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62502.d  
Report Date: 25-Jul-2012 11:17

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62502.d  
Lab Smp Id: ICIS-VMCAL3  
Inj Date : 21-JUL-2012 01:25  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : ICIS-VMCAL3  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/8260L\_10.m  
Meth Date : 25-Jul-2012 11:17 vibha Quant Type: ISTD  
Cal Date : 21-JUL-2012 01:25 Cal File: o62502.d  
Als bottle: 5 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
90 Dichlorodifluoromethane	85	0.866	0.866 (0.234)		121952	20.0000	21
1 Chloromethane	50	0.987	0.987 (0.267)		127295	20.0000	18
4 Vinyl Chloride	62	1.009	1.009 (0.273)		124661	20.0000	20
3 Bromomethane	94	1.159	1.159 (0.313)		63992	20.0000	18
5 Chloroethane	64	1.217	1.217 (0.329)		62688	20.0000	20
9 Trichlorofluoromethane	101	1.331	1.331 (0.360)		167055	20.0000	20
121 n-Pentane	72	1.367	1.367 (0.369)		52273	20.0000	21
127 Ethanol	46	1.475	1.475 (0.398)		67121	3000.00	2700
46 Ethyl Ether	59	1.496	1.496 (0.404)		78215	20.0000	20
119 Isoprene	67	1.496	1.496 (0.404)		165750	20.0000	21
157 Dichlorofluoromethane	67	1.317	1.317 (0.356)		211072	20.0000	21(H)
47 Acrolein	56	1.568	1.568 (0.423)		181169	300.000	300
10 1,1-Dichloroethene	96	1.611	1.611 (0.435)		90895	20.0000	20
48 Freon TF	101	1.611	1.611 (0.435)		121442	20.0000	22

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62502.d  
 Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.661	1.661 (0.449)		26222	20.0000	24
142 Iodomethane	142	1.697	1.697 (0.458)		141583	20.0000	21
8 Carbon Disulfide	76	1.725	1.725 (0.466)		324892	20.0000	20
50 Acetonitrile	41	1.818	1.818 (0.491)		444155	400.000	400
125 Methyl acetate	74	1.847	1.847 (0.499)		16149	20.0000	19
6 Methylene Chloride	84	1.897	1.897 (0.512)		105248	20.0000	22
51 TBA	59	1.997	1.997 (0.540)		170494	400.000	360
52 Acrylonitrile	53	2.055	2.055 (0.555)		226508	150.000	140
12 trans-1,2-Dichloroethene	96	2.055	2.055 (0.555)		112705	20.0000	20
53 MTBE	73	2.062	2.062 (0.557)		240282	20.0000	19
54 Hexane	56	2.227	2.227 (0.601)		85602	20.0000	20
11 1,1-Dichloroethane	63	2.334	2.334 (0.630)		189185	20.0000	20
57 Vinyl Acetate	43	2.377	2.377 (0.642)		407559	20.0000	19
55 DIPE	45	2.384	2.384 (0.644)		300006	20.0000	19
149 tert-Butyl ethyl ether	59	2.649	2.649 (0.716)		256870	20.0000	19
104 2,2-Dichloropropane	77	2.742	2.742 (0.741)		159795	20.0000	19
13 cis-1,2-Dichloroethene	96	2.742	2.742 (0.741)		122870	20.0000	20
18 2-Butanone	72	2.778	2.778 (0.750)		10648	20.0000	20
56 Ethyl Acetate	70	2.828	2.828 (0.764)		13724	40.0000	36
108 Bromochloromethane	128	2.929	2.929 (0.791)		53263	20.0000	20
160 Tetrahydrofuran	42	2.972	2.972 (0.803)		28848	20.0000	21
15 Chloroform	83	3.000	3.000 (0.810)		183937	20.0000	20
20 1,1,1-Trichloroethane	97	3.129	3.129 (0.845)		164213	20.0000	20
59 Cyclohexane	56	3.165	3.165 (0.855)		214964	20.0000	21
21 Carbon Tetrachloride	117	3.258	3.258 (0.880)		136568	20.0000	20
92 1,1-Dichloropropene	75	3.265	3.265 (0.882)		162208	20.0000	21
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409 (0.921)		155225	50.0000	52
28 Benzene	78	3.444	3.444 (0.930)		417915	20.0000	20
17 1,2-Dichloroethane	62	3.473	3.473 (0.938)		118320	20.0000	20
61 Isopropyl Acetate	43	3.566	3.566 (0.963)		306824	40.0000	37
140 tert-Amylmethyl Ether	73	3.566	3.566 (0.963)		212969	20.0000	19
* 69 Fluorobenzene	96	3.702	3.702 (1.000)		732628	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010 (1.083)		83877	20.0000	21
25 Trichloroethene	95	4.053	4.053 (1.095)		106467	20.0000	20
63 n-Butanol	43	4.089	4.089 (1.104)		81190	1500.00	1300
96 Ethyl Acrylate	85	4.218	4.218 (1.139)		4471	20.0000	20
126 Methyl cyclohexane	83	4.225	4.225 (1.141)		215275	20.0000	22
23 1,2-Dichloropropane	63	4.282	4.282 (1.157)		95801	20.0000	20
109 Dibromomethane	93	4.397	4.397 (1.188)		53335	20.0000	20
95 1,4-Dioxane	88	4.454	4.454 (1.203)		8567	150.000	84
146 Methyl methacrylate	69	4.454	4.454 (1.203)		50107	20.0000	19
64 Propyl Acetate	43	4.540	4.540 (1.226)		93742	40.0000	35
22 Bromodichloromethane	83	4.583	4.583 (1.238)		121092	20.0000	20
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963 (1.341)		47087	20.0000	19
159 2-Nitropropane	39	5.092	5.092 (1.375)		66627	40.0000	38(H)
118 Epichlorohydrin	57	5.013	5.013 (1.354)		159137	400.000	400
24 cis-1,3-Dichloropropene	75	5.092	5.092 (1.375)		146501	20.0000	20

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62502.d  
 Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314 (1.435)		64244	20.0000	18
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386 (0.741)		594535	50.0000	52
38 Toluene	91	5.464	5.464 (0.752)		455309	20.0000	19
29 trans-1,3-Dichloropropene	75	5.787	5.787 (0.796)		116091	20.0000	17
27 1,1,2-Trichloroethane	83	6.009	6.009 (0.827)		61260	20.0000	19
35 Tetrachloroethene	166	6.130	6.130 (0.843)		130594	20.0000	20
103 1,3-Dichloropropane	76	6.209	6.209 (0.854)		133697	20.0000	20
34 2-Hexanone	43	6.396	6.396 (0.880)		47250	20.0000	19
26 Dibromochloromethane	129	6.496	6.496 (0.894)		82873	20.0000	19
65 Butyl Acetate	43	6.610	6.610 (0.909)		224932	40.0000	37
66 1,2-Dibromoethane	107	6.610	6.610 (0.909)		75428	20.0000	20
* 32 Chlorobenzene-d5	117	7.269	7.269 (1.000)		562146	50.0000	
39 Chlorobenzene	112	7.312	7.312 (1.006)		287785	20.0000	20
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463 (1.027)		88871	20.0000	17
40 Ethylbenzene	106	7.513	7.513 (1.034)		162422	20.0000	20
43 m+p-Xylene	106	7.692	7.692 (1.058)		405672	40.0000	40
44 o-Xylene	106	8.272	8.272 (1.138)		200152	20.0000	20
42 Styrene	104	8.308	8.308 (1.143)		327287	20.0000	20
147 Butyl Acrylate	55	8.380	8.380 (0.766)		147722	20.0000	19
31 Bromoform	173	8.537	8.537 (1.174)		49942	20.0000	16
145 Amyl Acetate	43	8.766	8.766 (1.206)		74103	20.0000	19
110 Isopropylbenzene	105	8.867	8.867 (1.220)		538071	20.0000	20
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075 (0.830)		238339	50.0000	52
150 Camphene	41	9.196	9.196 (0.841)		43088	20.0000	19
107 Bromobenzene	156	9.254	9.254 (0.846)		130030	20.0000	20
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411 (0.860)		93026	20.0000	19
99 1,2,3-Trichloropropane	110	9.418	9.418 (0.861)		28595	20.0000	19
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504 (2.567)		24813	20.0000	19
112 n-Propylbenzene	91	9.526	9.526 (0.871)		655708	20.0000	20
105 2-Chlorotoluene	91	9.597	9.597 (0.878)		360830	20.0000	20
161 4-Ethyltoluene	105	9.726	9.726 (2.627)		559005	20.0000	21
106 4-Chlorotoluene	91	9.784	9.784 (0.895)		362631	20.0000	20
102 1,3,5-Trimethylbenzene	105	9.841	9.841 (0.900)		442843	20.0000	20
148 Butyl methacrylate	69	10.142	10.142 (0.927)		127712	20.0000	16
115 tert-Butylbenzene	119	10.350	10.350 (0.946)		415203	20.0000	20
100 1,2,4-Trimethylbenzene	105	10.428	10.428 (0.953)		442431	20.0000	20
114 sec-Butylbenzene	105	10.715	10.715 (0.980)		621551	20.0000	20
67 1,3-Dichlorobenzene	146	10.815	10.815 (0.989)		267180	20.0000	20
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937 (1.000)		328072	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973 (1.003)		259080	20.0000	20
113 p-Isopropyltoluene	119	10.994	10.994 (1.005)		524406	20.0000	20
117 Benzyl chloride	91	11.238	11.238 (1.028)		155845	20.0000	15
69 1,2-Dichlorobenzene	146	11.517	11.517 (1.053)		243268	20.0000	20
162 1,4-Diethylbenzene	119	11.582	11.582 (3.128)		336983	20.0000	21
111 n-Butylbenzene	91	11.603	11.603 (1.061)		591827	20.0000	20
101 1,2-Dibromo-3-chloropropane	75	12.484	12.484 (1.141)		20254	20.0000	18
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491 (3.374)		488471	20.0000	21

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62502.d  
Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====	
152 Camphor		95	13.186	13.186 (1.206)		51136	100.000	92
93 1,2,4-Trichlorobenzene		180	13.272	13.272 (1.214)		202686	20.0000	20
94 Hexachlorobutadiene		225	13.451	13.451 (1.230)		130194	20.0000	20
70 Naphthalene		128	13.480	13.480 (1.232)		392236	20.0000	20
98 1,2,3-Trichlorobenzene		180	13.688	13.688 (1.251)		185541	20.0000	20
M 14 1,2-Dichloroethene (total)		100				235575	40.0000	41
M 45 Xylene (Total)		100				605824	60.0000	60

#### QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: o62502.d

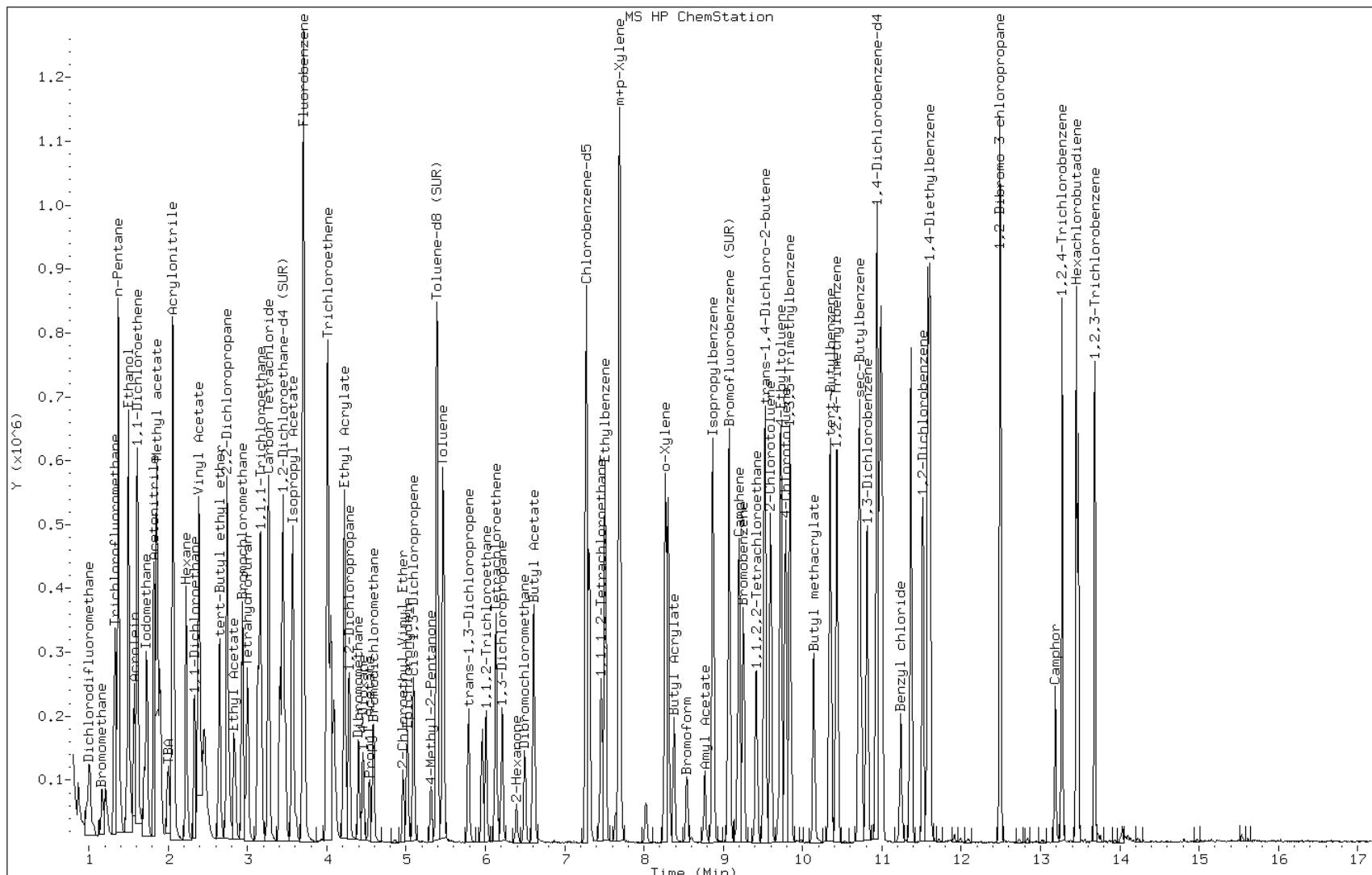
Date: 21-JUL-2012 01:25

Client ID:

Instrument: VOAMS12.i

Sample Info: ICIS-VMCAL3

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62503.d  
Report Date: 25-Jul-2012 11:17

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62503.d  
Lab Smp Id: IC-VMCAL4  
Inj Date : 21-JUL-2012 01:50  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : IC-VMCAL4  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/8260L\_10.m  
Meth Date : 25-Jul-2012 11:17 vibha Quant Type: ISTD  
Cal Date : 21-JUL-2012 01:50 Cal File: o62503.d  
Als bottle: 6 Calibration Sample, Level: 4  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
90 Dichlorodifluoromethane	85	0.866	0.866 (0.234)		314333	50.0000	52
1 Chloromethane	50	0.995	0.987 (0.269)		341511	50.0000	48
4 Vinyl Chloride	62	1.009	1.009 (0.272)		331517	50.0000	52
3 Bromomethane	94	1.166	1.159 (0.315)		162491	50.0000	43
5 Chloroethane	64	1.209	1.217 (0.327)		142321	50.0000	44
9 Trichlorofluoromethane	101	1.331	1.331 (0.360)		433030	50.0000	49
121 n-Pentane	72	1.367	1.367 (0.369)		134675	50.0000	52
127 Ethanol	46	1.489	1.475 (0.402)		102706	4000.00	4000
46 Ethyl Ether	59	1.496	1.496 (0.404)		202368	50.0000	50
119 Isoprene	67	1.496	1.496 (0.404)		433137	50.0000	54
157 Dichlorofluoromethane	67	1.317	1.317 (0.356)		525475	50.0000	51(H)
47 Acrolein	56	1.575	1.568 (0.425)		259987	400.000	410
10 1,1-Dichloroethene	96	1.611	1.611 (0.435)		233734	50.0000	51
48 Freon TF	101	1.611	1.611 (0.435)		305315	50.0000	52

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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.668	1.661	(0.450)	65490	50.0000	58
142 Iodomethane	142	1.697	1.697	(0.458)	371805	50.0000	53
8 Carbon Disulfide	76	1.725	1.725	(0.466)	852050	50.0000	52
50 Acetonitrile	41	1.818	1.818	(0.491)	1136554	1000.00	990
125 Methyl acetate	74	1.847	1.847	(0.499)	40982	50.0000	46
6 Methylene Chloride	84	1.897	1.897	(0.512)	268648	50.0000	54
51 TBA	59	2.005	1.997	(0.541)	474993	1000.00	960
52 Acrylonitrile	53	2.062	2.055	(0.557)	316136	200.000	200
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.555)	284918	50.0000	50
53 MTBE	73	2.069	2.062	(0.559)	655778	50.0000	51
54 Hexane	56	2.227	2.227	(0.601)	241229	50.0000	54
11 1,1-Dichloroethane	63	2.334	2.334	(0.630)	490682	50.0000	50
57 Vinyl Acetate	43	2.384	2.377	(0.644)	1170352	50.0000	52
55 DIPE	45	2.391	2.384	(0.646)	828321	50.0000	51
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.716)	711740	50.0000	52
104 2,2-Dichloropropane	77	2.742	2.742	(0.741)	421987	50.0000	49
13 cis-1,2-Dichloroethene	96	2.742	2.742	(0.741)	315136	50.0000	50
18 2-Butanone	72	2.785	2.778	(0.752)	23261	50.0000	43
56 Ethyl Acetate	70	2.828	2.828	(0.764)	40537	100.000	100
108 Bromochloromethane	128	2.929	2.929	(0.791)	137643	50.0000	49
160 Tetrahydrofuran	42	2.972	2.972	(0.803)	78162	50.0000	55
15 Chloroform	83	3.000	3.000	(0.810)	476556	50.0000	50
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.845)	430101	50.0000	52
59 Cyclohexane	56	3.165	3.165	(0.855)	547692	50.0000	51
21 Carbon Tetrachloride	117	3.265	3.258	(0.882)	361241	50.0000	52
92 1,1-Dichloropropene	75	3.265	3.265	(0.882)	429290	50.0000	53
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.921)	150173	50.0000	48
28 Benzene	78	3.444	3.444	(0.930)	1118605	50.0000	52
17 1,2-Dichloroethane	62	3.473	3.473	(0.938)	302516	50.0000	49
61 Isopropyl Acetate	43	3.566	3.566	(0.963)	905687	100.000	100
140 tert-Amylmethyl Ether	73	3.573	3.566	(0.965)	594070	50.0000	51
* 69 Fluorobenzene	96	3.702	3.702	(1.000)	761579	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010	(1.083)	227564	50.0000	55
25 Trichloroethene	95	4.053	4.053	(1.095)	289773	50.0000	53
63 n-Butanol	43	4.096	4.089	(1.106)	127784	2000.00	2000
96 Ethyl Acrylate	85	4.218	4.218	(1.139)	11905	50.0000	53
126 Methyl cyclohexane	83	4.225	4.225	(1.141)	558363	50.0000	54
23 1,2-Dichloropropane	63	4.282	4.282	(1.157)	258949	50.0000	51
109 Dibromomethane	93	4.397	4.397	(1.188)	141682	50.0000	51
95 1,4-Dioxane	88	4.461	4.454	(1.205)	11205	200.000	110
146 Methyl methacrylate	69	4.454	4.454	(1.203)	142957	50.0000	51
64 Propyl Acetate	43	4.540	4.540	(1.226)	277077	100.000	100
22 Bromodichloromethane	83	4.590	4.583	(1.240)	332215	50.0000	52
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.341)	135831	50.0000	53
159 2-Nitropropane	39	5.092	5.092	(1.375)	186948	100.000	100(H)
118 Epichlorohydrin	57	5.020	5.013	(1.356)	436616	1000.00	1000
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.375)	406358	50.0000	54

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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314 (1.435)		188629	50.0000	51
\$ 37 Toluene-d8 (SUR)	98	5.386	5.386 (0.741)		573965	50.0000	50
38 Toluene	91	5.464	5.464 (0.752)		1186897	50.0000	50
29 trans-1,3-Dichloropropene	75	5.787	5.787 (0.796)		342729	50.0000	49
27 1,1,2-Trichloroethane	83	6.009	6.009 (0.827)		169584	50.0000	53
35 Tetrachloroethene	166	6.130	6.130 (0.843)		334921	50.0000	51
103 1,3-Dichloropropane	76	6.209	6.209 (0.854)		360147	50.0000	53
34 2-Hexanone	43	6.395	6.396 (0.880)		129539	50.0000	52
26 Dibromochloromethane	129	6.496	6.496 (0.894)		240544	50.0000	54
65 Butyl Acetate	43	6.610	6.610 (0.909)		600921	100.000	97
66 1,2-Dibromoethane	107	6.610	6.610 (0.909)		204244	50.0000	53
* 32 Chlorobenzene-d5	117	7.269	7.269 (1.000)		569710	50.0000	
39 Chlorobenzene	112	7.312	7.312 (1.006)		755732	50.0000	51
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463 (1.027)		249542	50.0000	47
40 Ethylbenzene	106	7.513	7.513 (1.034)		426722	50.0000	52
43 m+p-Xylene	106	7.692	7.692 (1.058)		1050089	100.000	100
44 o-Xylene	106	8.272	8.272 (1.138)		509629	50.0000	51
42 Styrene	104	8.308	8.308 (1.143)		853555	50.0000	52
147 Butyl Acrylate	55	8.380	8.380 (0.766)		387871	50.0000	48
31 Bromoform	173	8.544	8.537 (1.175)		152210	50.0000	48
145 Amyl Acetate	43	8.766	8.766 (1.206)		200743	50.0000	50
110 Isopropylbenzene	105	8.867	8.867 (1.220)		1402776	50.0000	52
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.075 (0.830)		227557	50.0000	49
150 Camphene	41	9.196	9.196 (0.841)		116837	50.0000	52
107 Bromobenzene	156	9.254	9.254 (0.846)		335347	50.0000	50
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411 (0.860)		262041	50.0000	52
99 1,2,3-Trichloropropane	110	9.425	9.418 (0.862)		76572	50.0000	50
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504 (2.567)		70199	50.0000	51
112 n-Propylbenzene	91	9.526	9.526 (0.871)		1689582	50.0000	52
105 2-Chlorotoluene	91	9.597	9.597 (0.878)		931500	50.0000	51
161 4-Ethyltoluene	105	9.726	9.726 (2.627)		1400593	50.0000	50
106 4-Chlorotoluene	91	9.791	9.784 (0.895)		942085	50.0000	50
102 1,3,5-Trimethylbenzene	105	9.841	9.841 (0.900)		1144754	50.0000	51
148 Butyl methacrylate	69	10.142	10.142 (0.927)		357214	50.0000	45
115 tert-Butylbenzene	119	10.349	10.350 (0.946)		1067427	50.0000	51
100 1,2,4-Trimethylbenzene	105	10.435	10.428 (0.954)		1150491	50.0000	51
114 sec-Butylbenzene	105	10.715	10.715 (0.980)		1613366	50.0000	51
67 1,3-Dichlorobenzene	146	10.815	10.815 (0.989)		679334	50.0000	51
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937 (1.000)		332909	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973 (1.003)		670308	50.0000	50
113 p-Isopropyltoluene	119	11.001	10.994 (1.006)		1348040	50.0000	51
117 Benzyl chloride	91	11.238	11.238 (1.028)		457572	50.0000	43
69 1,2-Dichlorobenzene	146	11.517	11.517 (1.053)		632494	50.0000	50
162 1,4-Diethylbenzene	119	11.582	11.582 (3.128)		847336	50.0000	50
111 n-Butylbenzene	91	11.610	11.603 (1.062)		1508271	50.0000	52
101 1,2-Dibromo-3-chloropropane	75	12.477	12.484 (1.141)		55635	50.0000	50
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491 (3.374)		1255892	50.0000	51

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Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
152 Camphor	95	13.186	13.186	(1.206)		146135	250.000	260
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)		525762	50.0000	51
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)		341836	50.0000	52
70 Naphthalene	128	13.480	13.480	(1.232)		1044605	50.0000	52
98 1,2,3-Trichlorobenzene	180	13.687	13.688	(1.251)		479025	50.0000	52
M 14 1,2-Dichloroethene (total)	100					600054	100.000	100
M 45 Xylene (Total)	100					1559718	150.000	150

#### QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: o62503.d

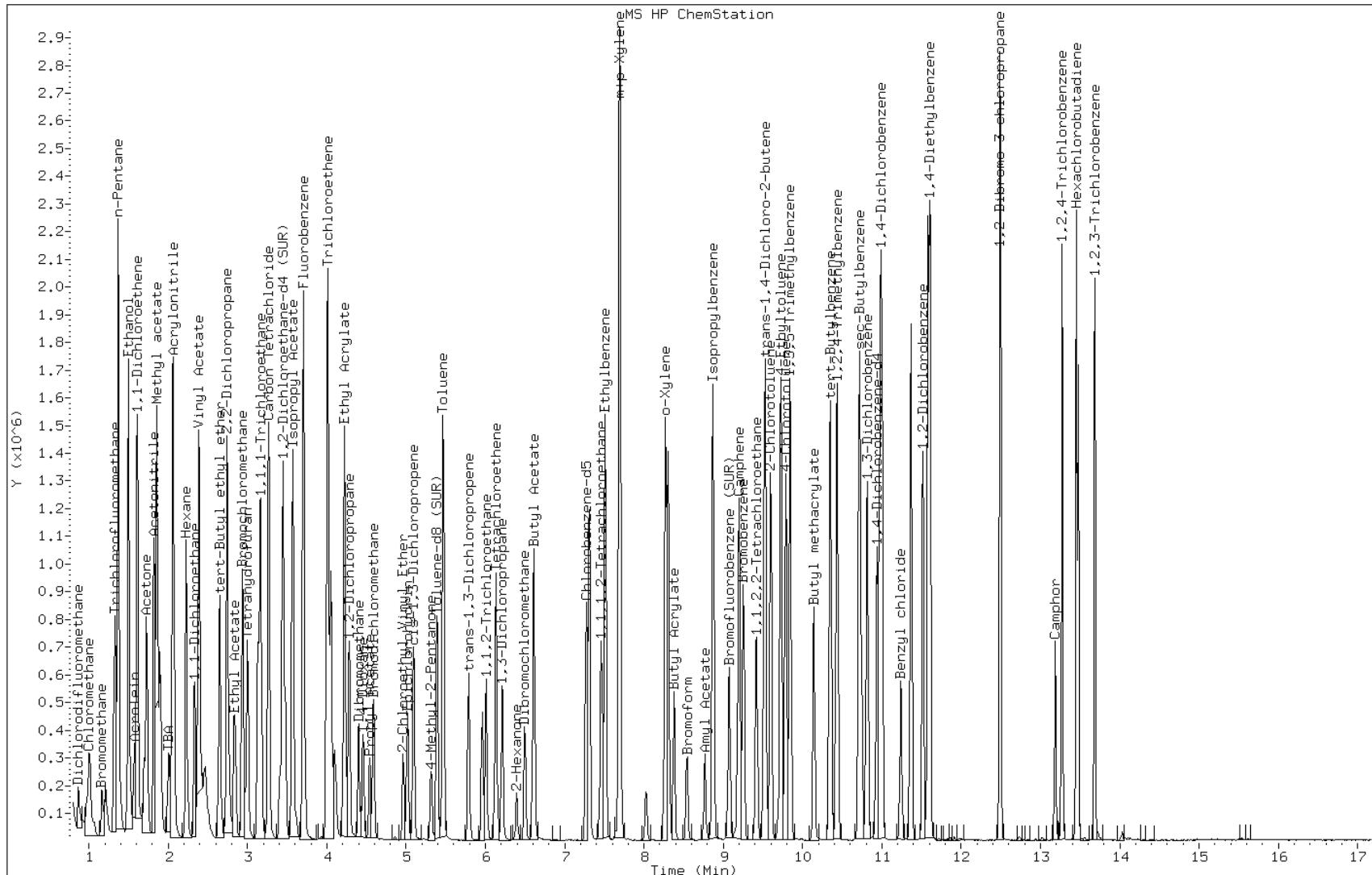
Date: 21-JUL-2012 01:50

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL4

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62504.d  
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TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62504.d  
Lab Smp Id: IC-VMCAL5  
Inj Date : 21-JUL-2012 02:15  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : IC-VMCAL5  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/8260L\_10.m  
Meth Date : 25-Jul-2012 11:17 vibha Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:15 Cal File: o62504.d  
Als bottle: 7 Calibration Sample, Level: 5  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
90 Dichlorodifluoromethane	85	0.866	0.866 (0.233)		1179938	200.000	190
1 Chloromethane	50	0.995	0.987 (0.268)		1425616	200.000	190
4 Vinyl Chloride	62	1.009	1.009 (0.272)		1355349	200.000	200
3 Bromomethane	94	1.167	1.159 (0.314)		737556	200.000	190
5 Chloroethane	64	1.217	1.217 (0.328)		700833	200.000	210
9 Trichlorofluoromethane	101	1.338	1.331 (0.361)		1769643	200.000	190
121 n-Pentane	72	1.374	1.367 (0.370)		531424	200.000	200
127 Ethanol	46	1.496	1.475 (0.403)		123174	5000.00	4500
46 Ethyl Ether	59	1.496	1.496 (0.403)		790143	200.000	190
119 Isoprene	67	1.496	1.496 (0.403)		1740434	200.000	210
157 Dichlorofluoromethane	67	1.317	1.317 (0.355)		2011875	200.000	190(H)
47 Acrolein	56	1.575	1.568 (0.425)		303853	500.000	460
10 1,1-Dichloroethene	96	1.611	1.611 (0.434)		921671	200.000	190
48 Freon TF	101	1.611	1.611 (0.434)		1185456	200.000	190

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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
7 Acetone	43	1.668	1.661	(0.450)	238509	200.000	200
142 Iodomethane	142	1.704	1.697	(0.459)	1471862	200.000	200
8 Carbon Disulfide	76	1.732	1.725	(0.467)	3522741	200.000	200
50 Acetonitrile	41	1.818	1.818	(0.490)	4307593	4000.00	3600
125 Methyl acetate	74	1.847	1.847	(0.498)	174726	200.000	190
6 Methylene Chloride	84	1.897	1.897	(0.511)	1034518	200.000	200
51 TBA	59	2.012	1.997	(0.542)	1866204	4000.00	3600
52 Acrylonitrile	53	2.062	2.055	(0.556)	395104	250.000	230
12 trans-1,2-Dichloroethene	96	2.055	2.055	(0.554)	1117659	200.000	180
53 MTBE	73	2.069	2.062	(0.558)	2692151	200.000	200
54 Hexane	56	2.227	2.227	(0.600)	968339	200.000	210
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)	1918047	200.000	190
57 Vinyl Acetate	43	2.384	2.377	(0.643)	4923332	200.000	210(A)
55 DIPE	45	2.391	2.384	(0.645)	3538728	200.000	210
149 tert-Butyl ethyl ether	59	2.649	2.649	(0.714)	3012435	200.000	210
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)	1701954	200.000	190
13 cis-1,2-Dichloroethene	96	2.750	2.742	(0.741)	1247047	200.000	190
18 2-Butanone	72	2.785	2.778	(0.751)	110390	200.000	200
56 Ethyl Acetate	70	2.836	2.828	(0.764)	171317	400.000	410(A)
108 Bromochloromethane	128	2.936	2.929	(0.791)	536529	200.000	180
160 Tetrahydrofuran	42	2.979	2.972	(0.803)	284381	200.000	190
15 Chloroform	83	3.000	3.000	(0.809)	1840635	200.000	180
20 1,1,1-Trichloroethane	97	3.136	3.129	(0.846)	1756573	200.000	200
59 Cyclohexane	56	3.165	3.165	(0.853)	2108702	200.000	190
21 Carbon Tetrachloride	117	3.265	3.258	(0.880)	1513077	200.000	210
92 1,1-Dichloropropene	75	3.273	3.265	(0.882)	1691346	200.000	200
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.409	(0.919)	157043	50.0000	48
28 Benzene	78	3.452	3.444	(0.930)	4556323	200.000	200
17 1,2-Dichloroethane	62	3.480	3.473	(0.938)	1196478	200.000	180
61 Isopropyl Acetate	43	3.573	3.566	(0.963)	3904909	400.000	430
140 tert-Amylmethyl Ether	73	3.573	3.566	(0.963)	2605162	200.000	210
* 69 Fluorobenzene	96	3.709	3.702	(1.000)	798641	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.017	4.010	(1.083)	938246	200.000	210
25 Trichloroethene	95	4.053	4.053	(1.093)	1162458	200.000	200
63 n-Butanol	43	4.096	4.089	(1.104)	164171	2500.00	2400
96 Ethyl Acrylate	85	4.225	4.218	(1.139)	48816	200.000	200
126 Methyl cyclohexane	83	4.225	4.225	(1.139)	2250385	200.000	210
23 1,2-Dichloropropane	63	4.282	4.282	(1.154)	1056005	200.000	200
109 Dibromomethane	93	4.404	4.397	(1.187)	555481	200.000	190
95 1,4-Dioxane	88	4.462	4.454	(1.203)	14036	250.000	130
146 Methyl methacrylate	69	4.462	4.454	(1.203)	596292	200.000	200
64 Propyl Acetate	43	4.548	4.540	(1.226)	1182988	400.000	400
22 Bromodichloromethane	83	4.591	4.583	(1.238)	1373402	200.000	200
30 2-Chloroethyl Vinyl Ether	63	4.970	4.963	(1.340)	558044	200.000	210
159 2-Nitropropane	39	5.099	5.092	(1.375)	796322	400.000	420(H)
118 Epichlorohydrin	57	5.027	5.013	(1.355)	1685841	4000.00	3900
24 cis-1,3-Dichloropropene	75	5.099	5.092	(1.375)	1694988	200.000	210

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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
33 4-Methyl-2-Pentanone	43	5.321	5.314 (1.434)		816778	200.000	210
\$ 37 Toluene-d8 (SUR)	98	5.393	5.386 (0.723)		619349	50.0000	51
38 Toluene	91	5.472	5.464 (0.733)		4839749	200.000	190
29 trans-1,3-Dichloropropene	75	5.794	5.787 (0.776)		1457519	200.000	200
27 1,1,2-Trichloroethane	83	6.016	6.009 (0.806)		691623	200.000	200
35 Tetrachloroethene	166	6.138	6.130 (0.822)		1404909	200.000	200
103 1,3-Dichloropropane	76	6.217	6.209 (0.833)		1460237	200.000	200
34 2-Hexanone	43	6.396	6.396 (0.857)		549478	200.000	210
26 Dibromochloromethane	129	6.503	6.496 (0.871)		1043197	200.000	220
65 Butyl Acetate	43	6.610	6.610 (0.886)		2486933	400.000	380
66 1,2-Dibromoethane	107	6.618	6.610 (0.887)		848073	200.000	210
* 32 Chlorobenzene-d5	117	7.277	7.269 (1.000)		603029	50.0000	(H)
39 Chlorobenzene	112	7.312	7.312 (0.980)		3090197	200.000	200
97 1,1,1,2-Tetrachloroethane	131	7.463	7.463 (1.000)		1112888	200.000	200
40 Ethylbenzene	106	7.513	7.513 (1.007)		1714149	200.000	200
43 m+p-Xylene	106	7.706	7.692 (1.033)		4231460	400.000	390
44 o-Xylene	106	8.279	8.272 (1.109)		2053431	200.000	190
42 Styrene	104	8.315	8.308 (1.114)		3472433	200.000	200
147 Butyl Acrylate	55	8.380	8.380 (0.766)		1586008	200.000	200
31 Bromoform	173	8.545	8.537 (1.145)		700064	200.000	200(A)
145 Amyl Acetate	43	8.774	8.766 (1.176)		843560	200.000	200(A)
110 Isopropylbenzene	105	8.874	8.867 (1.189)		5639939	200.000	200
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.075 (0.829)		237064	50.0000	50
150 Camphene	41	9.204	9.196 (0.841)		466839	200.000	200
107 Bromobenzene	156	9.261	9.254 (0.846)		1324113	200.000	200
36 1,1,2,2-Tetrachloroethane	83	9.418	9.411 (0.861)		1058832	200.000	210
99 1,2,3-Trichloropropane	110	9.426	9.418 (0.861)		315899	200.000	210
143 trans-1,4-Dichloro-2-butene	53	9.512	9.504 (2.564)		293428	200.000	200
112 n-Propylbenzene	91	9.540	9.526 (0.872)		6688169	200.000	200
105 2-Chlorotoluene	91	9.605	9.597 (0.878)		3672758	200.000	200
161 4-Ethyltoluene	105	9.734	9.726 (2.624)		5330731	200.000	180
106 4-Chlorotoluene	91	9.798	9.784 (0.895)		3751822	200.000	200
102 1,3,5-Trimethylbenzene	105	9.848	9.841 (0.900)		4606679	200.000	200
148 Butyl methacrylate	69	10.149	10.142 (0.927)		1497842	200.000	190
115 tert-Butylbenzene	119	10.357	10.350 (0.946)		4282184	200.000	200
100 1,2,4-Trimethylbenzene	105	10.443	10.428 (0.954)		4655532	200.000	200
114 sec-Butylbenzene	105	10.722	10.715 (0.980)		6501057	200.000	200
67 1,3-Dichlorobenzene	146	10.822	10.815 (0.989)		2640200	200.000	200
* 91 1,4-Dichlorobenzene-d4	152	10.944	10.937 (1.000)		334477	50.0000	
68 1,4-Dichlorobenzene	146	10.980	10.973 (1.003)		2638697	200.000	200
113 p-Isopropyltoluene	119	11.001	10.994 (1.005)		5461851	200.000	210
117 Benzyl chloride	91	11.245	11.238 (1.027)		1994718	200.000	190
69 1,2-Dichlorobenzene	146	11.524	11.517 (1.053)		2458643	200.000	200
162 1,4-Diethylbenzene	119	11.589	11.582 (3.124)		3264878	200.000	180
111 n-Butylbenzene	91	11.617	11.603 (1.062)		5971682	200.000	200
101 1,2-Dibromo-3-chloropropane	75	12.484	12.484 (1.141)		228308	200.000	200
163 1,2,4,5-Tetramethylbenzene	119	12.498	12.491 (3.369)		4954775	200.000	190

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62504.d  
Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
152 Camphor	95	13.186	13.186	(1.205)		590304	1000.00	1000
93 1,2,4-Trichlorobenzene	180	13.279	13.272	(1.213)		1972547	200.000	190
94 Hexachlorobutadiene	225	13.451	13.451	(1.229)		1355610	200.000	210
70 Naphthalene	128	13.480	13.480	(1.232)		3908290	200.000	190
98 1,2,3-Trichlorobenzene	180	13.688	13.688	(1.251)		1791090	200.000	190
M 14 1,2-Dichloroethene (total)	100					2364706	400.000	380
M 45 Xylene (Total)	100					6284891	600.000	580

#### QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

H - Operator selected an alternate compound hit.

Data File: o62504.d

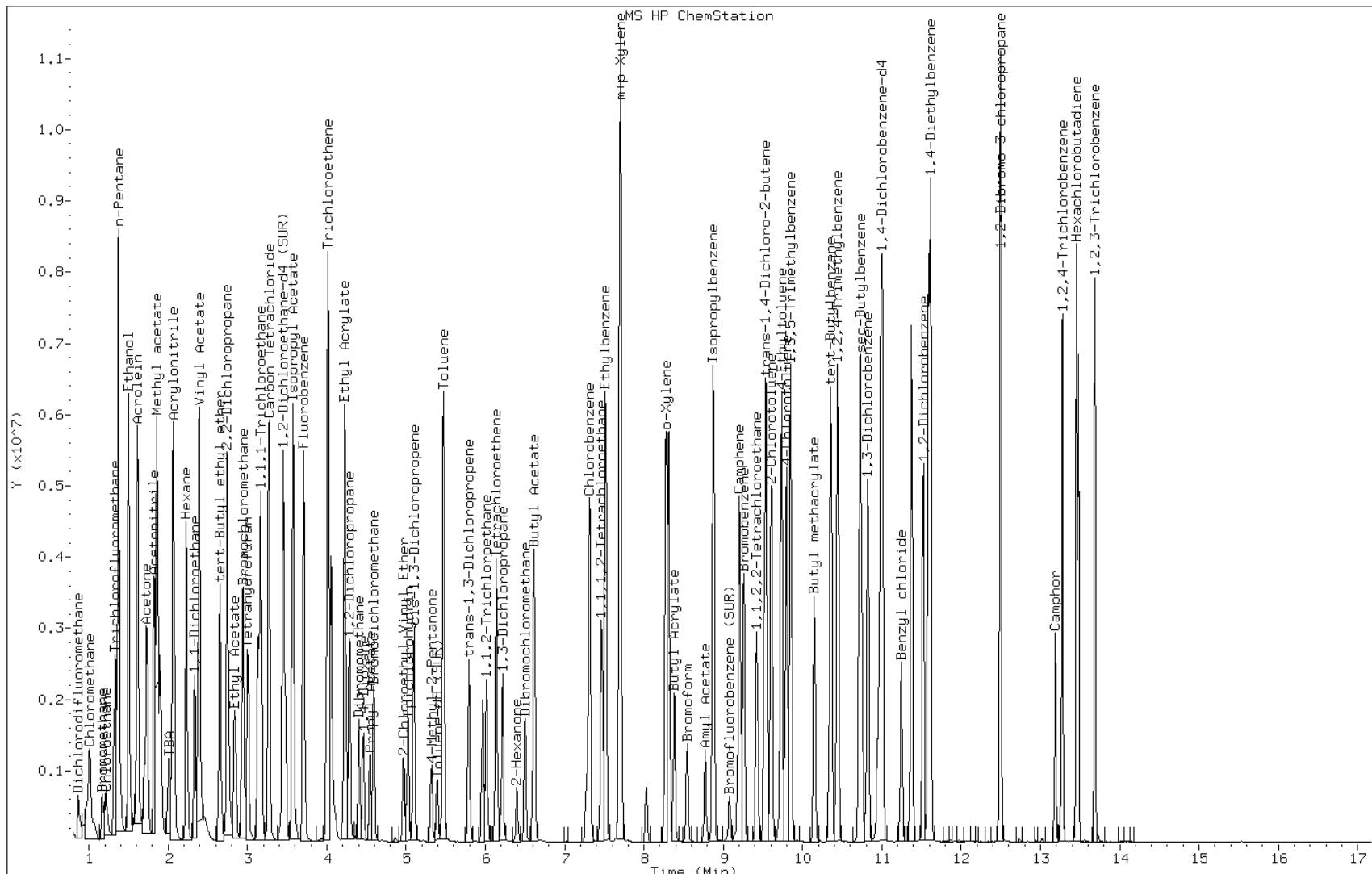
Date: 21-JUL-2012 02:15

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL5

Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62505.d  
Report Date: 25-Jul-2012 11:17

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62505.d  
Lab Smp Id: IC-VMCAL6  
Inj Date : 21-JUL-2012 02:40  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : IC-VMCAL6  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/8260L\_10.m  
Meth Date : 25-Jul-2012 11:17 vibha Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 8 Calibration Sample, Level: 6  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
90 Dichlorodifluoromethane	85	0.866	0.866 (0.233)		3062936	500.000	480
1 Chloromethane	50	0.995	0.987 (0.268)		3607633	500.000	480
4 Vinyl Chloride	62	1.009	1.009 (0.272)		3393773	500.000	500
3 Bromomethane	94	1.167	1.159 (0.314)		2028883	500.000	500(A)
5 Chloroethane	64	1.217	1.217 (0.328)		1789915	500.000	520(A)
9 Trichlorofluoromethane	101	1.339	1.331 (0.361)		4602939	500.000	490
121 n-Pentane	72	1.374	1.367 (0.370)		1420972	500.000	520(A)
127 Ethanol	46	1.496	1.475 (0.403)		176191	6000.00	6400(A)
46 Ethyl Ether	59	1.496	1.496 (0.403)		2032821	500.000	470
119 Isoprene	67	1.496	1.496 (0.403)		4425668	500.000	520(A)
157 Dichlorofluoromethane	67	1.317	1.317 (0.355)		5259568	500.000	480(H)
47 Acrolein	56	1.575	1.568 (0.425)		379475	600.000	560
10 1,1-Dichloroethene	96	1.611	1.611 (0.434)		2385160	500.000	480
48 Freon TF	101	1.611	1.611 (0.434)		3161222	500.000	510(A)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62505.d  
 Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
7 Acetone	43	1.668	1.661	(0.450)	1197911	1000.00	1000
142 Iodomethane	142	1.704	1.697	(0.459)	3710369	500.000	500
8 Carbon Disulfide	76	1.733	1.725	(0.467)	9499499	500.000	540(A)
50 Acetonitrile	41	1.826	1.818	(0.492)	11033764	10000.0	9100
125 Methyl acetate	74	1.847	1.847	(0.498)	471520	500.000	500(A)
6 Methylene Chloride	84	1.897	1.897	(0.511)	2641985	500.000	500(A)
51 TBA	59	2.019	1.997	(0.544)	5090230	10000.0	9700
52 Acrylonitrile	53	2.062	2.055	(0.556)	531239	300.000	310(A)
12 trans-1,2-Dichloroethene	96	2.062	2.055	(0.556)	2882846	500.000	470
53 MTBE	73	2.069	2.062	(0.558)	7196426	500.000	520(A)
54 Hexane	56	2.227	2.227	(0.600)	2517395	500.000	530(A)
11 1,1-Dichloroethane	63	2.341	2.334	(0.631)	4912115	500.000	470
57 Vinyl Acetate	43	2.392	2.377	(0.645)	12586152	500.000	520(A)
55 DIPE	45	2.399	2.384	(0.647)	9224159	500.000	530(A)
149 tert-Butyl ethyl ether	59	2.657	2.649	(0.716)	8049386	500.000	550(A)
104 2,2-Dichloropropane	77	2.743	2.742	(0.739)	4317270	500.000	470
13 cis-1,2-Dichloroethene	96	2.750	2.742	(0.741)	3182239	500.000	480
18 2-Butanone	72	2.793	2.778	(0.753)	530898	1000.00	930
56 Ethyl Acetate	70	2.836	2.828	(0.764)	454526	1000.00	1100(A)
108 Bromochloromethane	128	2.936	2.929	(0.791)	1368441	500.000	460
160 Tetrahydrofuran	42	2.986	2.972	(0.805)	761262	500.000	500(A)
15 Chloroform	83	3.008	3.000	(0.811)	4669644	500.000	460
20 1,1,1-Trichloroethane	97	3.136	3.129	(0.846)	4457034	500.000	500(A)
59 Cyclohexane	56	3.172	3.165	(0.855)	5525620	500.000	490
21 Carbon Tetrachloride	117	3.265	3.258	(0.880)	3907011	500.000	530(A)
92 1,1-Dichloropropene	75	3.273	3.265	(0.882)	4348249	500.000	510(A)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.416	3.409	(0.921)	153887	50.0000	46
28 Benzene	78	3.452	3.444	(0.930)	11568760	500.000	500(A)
17 1,2-Dichloroethane	62	3.487	3.473	(0.940)	3044371	500.000	460
61 Isopropyl Acetate	43	3.581	3.566	(0.965)	10449033	1000.00	1100(A)
140 tert-Amylmethyl Ether	73	3.581	3.566	(0.965)	7063940	500.000	570(A)
* 69 Fluorobenzene	96	3.710	3.702	(1.000)	809411	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.025	4.010	(1.085)	2477312	500.000	560(A)
25 Trichloroethene	95	4.061	4.053	(1.095)	3001825	500.000	520(A)
63 n-Butanol	43	4.111	4.089	(1.108)	246896	3000.00	3600(A)
96 Ethyl Acrylate	85	4.232	4.218	(1.141)	137160	500.000	570(A)
126 Methyl cyclohexane	83	4.232	4.225	(1.141)	5876755	500.000	530(A)
23 1,2-Dichloropropene	63	4.290	4.282	(1.156)	2696386	500.000	500(A)
109 Dibromomethane	93	4.404	4.397	(1.187)	1404544	500.000	480
95 1,4-Dioxane	88	4.476	4.454	(1.207)	105748	300.000	940(A)
146 Methyl methacrylate	69	4.462	4.454	(1.203)	1595304	500.000	540(A)
64 Propyl Acetate	43	4.548	4.540	(1.226)	3138106	1000.00	1100(A)
22 Bromodichloromethane	83	4.598	4.583	(1.239)	3536356	500.000	520(A)
30 2-Chloroethyl Vinyl Ether	63	4.977	4.963	(1.342)	1490960	500.000	550(A)
159 2-Nitropropane	39	5.106	5.092	(1.377)	2025081	1000.00	1000(AH)
118 Epichlorohydrin	57	5.035	5.013	(1.357)	4401995	10000.0	10000
24 cis-1,3-Dichloropropene	75	5.106	5.092	(1.377)	4345948	500.000	540(A)

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62505.d  
 Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
33 4-Methyl-2-Pentanone	43	5.328	5.314 (1.436)		4091882	1000.00	1000(A)
\$ 37 Toluene-d8 (SUR)	98	5.393	5.386 (0.722)		613129	50.0000	49
38 Toluene	91	5.479	5.464 (0.733)		12408228	500.000	480
29 trans-1,3-Dichloropropene	75	5.801	5.787 (0.777)		3783179	500.000	500(A)
27 1,1,2-Trichloroethane	83	6.023	6.009 (0.806)		1756488	500.000	510(A)
35 Tetrachloroethene	166	6.145	6.130 (0.823)		3607646	500.000	510(A)
103 1,3-Dichloropropane	76	6.224	6.209 (0.833)		3689589	500.000	500(A)
34 2-Hexanone	43	6.410	6.396 (0.858)		2865409	1000.00	1000(A)
26 Dibromochloromethane	129	6.510	6.496 (0.872)		2738888	500.000	580(A)
65 Butyl Acetate	43	6.625	6.610 (0.887)		6617475	1000.00	990
66 1,2-Dibromoethane	107	6.625	6.610 (0.887)		2176935	500.000	520(A)
* 32 Chlorobenzene-d5	117	7.277	7.269 (1.000)		614691	50.0000	(H)
39 Chlorobenzene	112	7.327	7.312 (0.981)		7989510	500.000	500(A)
97 1,1,1,2-Tetrachloroethane	131	7.470	7.463 (1.000)		2880635	500.000	500(A)
40 Ethylbenzene	106	7.527	7.513 (1.008)		4477841	500.000	510(A)
43 m+p-Xylene	106	7.721	7.692 (1.034)		11186996	1000.00	1000(A)
44 o-Xylene	106	8.287	8.272 (1.109)		5339974	500.000	490
42 Styrene	104	8.330	8.308 (1.115)		9160176	500.000	510(A)
147 Butyl Acrylate	55	8.394	8.380 (0.766)		4374398	500.000	550(A)
31 Bromoform	173	8.552	8.537 (1.145)		1893446	500.000	500(A)
145 Amyl Acetate	43	8.781	8.766 (1.175)		2322117	500.000	540(A)
110 Isopropylbenzene	105	8.888	8.867 (1.190)		14796183	500.000	500(A)
\$ 41 Bromofluorobenzene (SUR)	174	9.089	9.075 (0.830)		242565	50.0000	52
150 Camphene	41	9.218	9.196 (0.842)		1238713	500.000	550(A)
107 Bromobenzene	156	9.275	9.254 (0.847)		3503932	500.000	520(A)
36 1,1,2,2-Tetrachloroethane	83	9.433	9.411 (0.861)		2727272	500.000	540(A)
99 1,2,3-Trichloropropane	110	9.440	9.418 (0.862)		809077	500.000	530(A)
143 trans-1,4-Dichloro-2-butene	53	9.526	9.504 (2.568)		785946	500.000	540(A)
112 n-Propylbenzene	91	9.555	9.526 (0.872)		17658372	500.000	540(A)
105 2-Chlorotoluene	91	9.626	9.597 (0.879)		9630015	500.000	530(A)
161 4-Ethyltoluene	105	9.755	9.726 (2.630)		14330310	500.000	480
106 4-Chlorotoluene	91	9.812	9.784 (0.896)		10099611	500.000	540(AH)
102 1,3,5-Trimethylbenzene	105	9.863	9.841 (0.901)		11993446	500.000	530(A)
148 Butyl methacrylate	69	10.163	10.142 (0.928)		3981955	500.000	500(A)
115 tert-Butylbenzene	119	10.371	10.350 (0.947)		11000237	500.000	530(A)
100 1,2,4-Trimethylbenzene	105	10.457	10.428 (0.955)		11973151	500.000	530(A)
114 sec-Butylbenzene	105	10.744	10.715 (0.981)		16678037	500.000	530(A)
67 1,3-Dichlorobenzene	146	10.837	10.815 (0.990)		6842232	500.000	510(A)
* 91 1,4-Dichlorobenzene-d4	152	10.951	10.937 (1.000)		332114	50.0000	
68 1,4-Dichlorobenzene	146	10.994	10.973 (1.004)		6861321	500.000	520(A)
113 p-Isopropyltoluene	119	11.023	10.994 (1.007)		14096749	500.000	540(A)
117 Benzyl chloride	91	11.259	11.238 (1.028)		5366823	500.000	500(A)
69 1,2-Dichlorobenzene	146	11.532	11.517 (1.053)		6203377	500.000	500
162 1,4-Diethylbenzene	119	11.603	11.582 (3.128)		8523322	500.000	480
111 n-Butylbenzene	91	11.632	11.603 (1.062)		15253988	500.000	520(A)
101 1,2-Dibromo-3-chloropropane	75	12.484	12.484 (1.140)		557615	500.000	500
163 1,2,4,5-Tetramethylbenzene	119	12.506	12.491 (3.371)		12260583	500.000	470

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62505.d  
Report Date: 25-Jul-2012 11:17

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
152 Camphor	95	13.193	13.186	(1.205)	1457785	2500.00	2600(A)
93 1,2,4-Trichlorobenzene	180	13.287	13.272	(1.213)	5029296	500.000	490
94 Hexachlorobutadiene	225	13.458	13.451	(1.229)	3387596	500.000	520(A)
70 Naphthalene	128	13.487	13.480	(1.232)	9909416	500.000	500
98 1,2,3-Trichlorobenzene	180	13.695	13.688	(1.250)	4524205	500.000	490
M 14 1,2-Dichloroethene (total)	100				6065085	1000.00	950
M 45 Xylene (Total)	100				16526970	1500.00	1500(A)

#### QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

H - Operator selected an alternate compound hit.

Data File: 062505.d

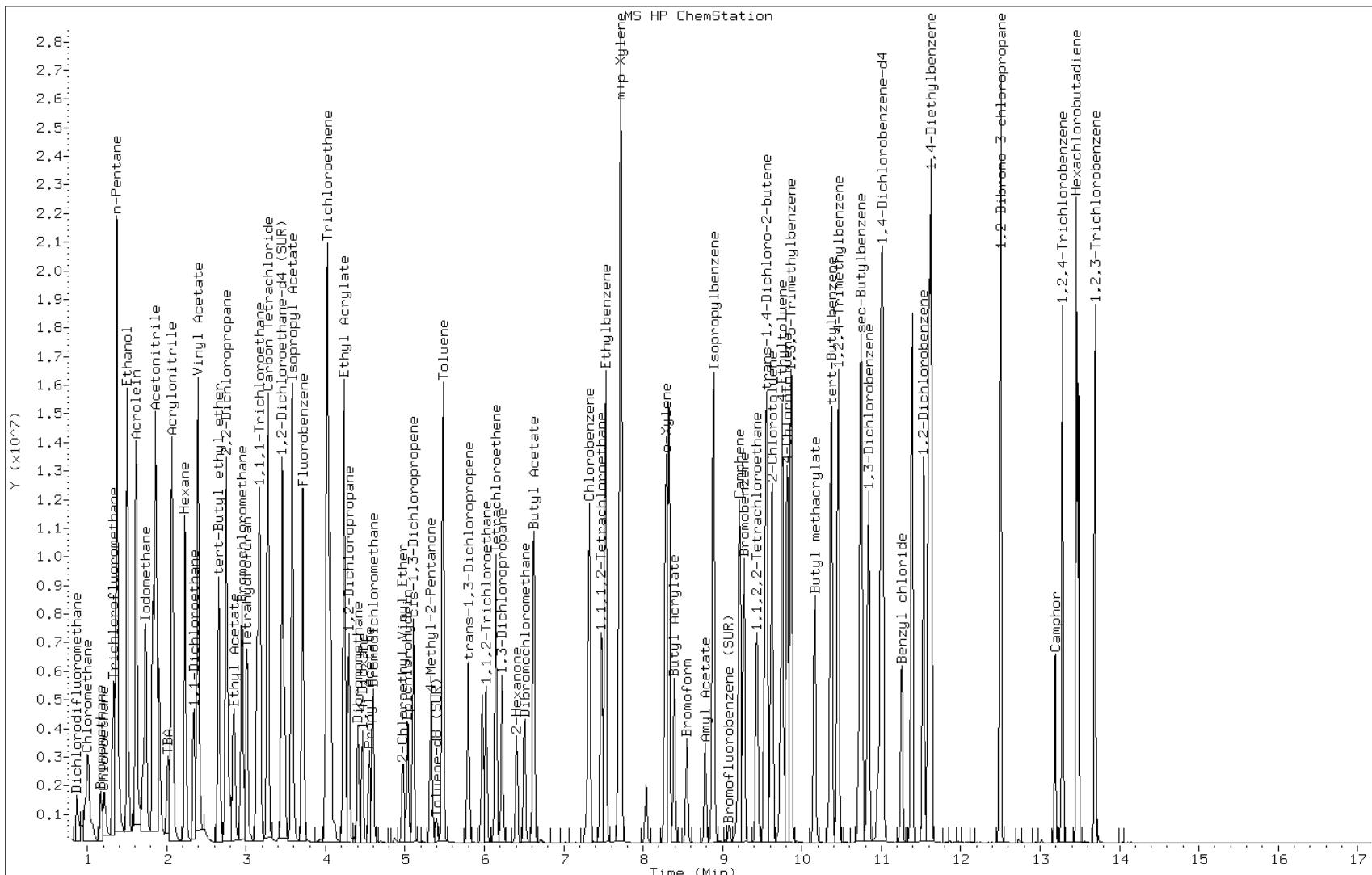
Date: 21-JUL-2012 02:40

Client ID:

Instrument: VOAMS12.i

Sample Info: IC-VMCAL6

Operator: VOAMS 9



FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-124069/6	c69970.d
Level 2	IC 460-124069/7	c69971.d
Level 3	ICIS 460-124069/2	c69957.d
Level 4	IC 460-124069/3	c69958.d
Level 5	IC 460-124069/4	c69959.d
Level 6	IC 460-124069/5	c69960.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1436 0.1146	0.1331	0.1254	0.1228	0.1228	Ave		0.1270				7.9		15.0			
Chloromethane	0.2104 0.1710	0.2014	0.1692	0.1642	0.1755	Ave		0.1819			0.1000	10.5		15.0			
Vinyl chloride	0.1817 0.1519	0.1814	0.1551	0.1468	0.1600	Ave		0.1628				9.3		30.0			
Bromomethane	0.1405 0.0897	0.0933	0.0753	0.0761	0.0840	LinF		0.0889							0.9989		0.9900
Chloroethane	0.1033 0.0910	0.0945	0.0769	0.0776	0.0945	Ave		0.0896				11.6		15.0			
Dichlorofluoromethane	0.2669 0.2112	0.2171	0.2223	0.2128	0.2253	Ave		0.2259				9.2		15.0			
Trichlorofluoromethane	0.1940 0.1954	0.2118	0.1964	0.1984	0.2084	Ave		0.2007				3.7		15.0			
n-Pentane	0.0118 0.0172	0.0082	0.0161	0.0162	0.0177	LinF		0.0172							0.9998		0.9900
Ethanol	0.0013 0.0014	0.0010	0.0010	0.0012	0.0013	Ave		0.0012				13.6		15.0			
Ethyl ether	0.1154 0.1025	0.1009	0.0951	0.0997	0.1053	Ave		0.1031				6.7		15.0			
Isopropene	0.1222 0.1488	0.1209	0.1477	0.1408	0.1487	Ave		0.1382				9.6		15.0			
Freon TF	0.1026 0.1088	0.0794	0.1088	0.1075	0.1108	Ave		0.1030				11.5		15.0			
Acrolein	0.0278 0.0269	0.0286	0.0233	0.0252	0.0269	Ave		0.0264				7.3		15.0			
1,1-Dichloroethene	0.0682 0.0869	0.0921	0.0806	0.0782	0.0869	Ave		0.0822				10.3		30.0			
Acetone	0.1150 0.0572	0.0729	0.0656	0.0595	0.0598	LinF		0.0576							0.9993		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Iodomethane	0.0645 0.1461	0.0584	0.0813	0.1120	0.1483	LinF		0.1461							0.9988		0.9900
Carbon disulfide	0.2157 0.2106	0.1782	0.1992	0.1978	0.2077	Ave		0.2015				6.6		15.0			
Cyclopentene	0.2238 0.2542	0.2103	0.2457	0.2401	0.2469	Ave		0.2368				7.0		15.0			
Methyl acetate	0.1916 0.1746	0.1704	0.1670	0.1785	0.1753	Ave		0.1762				4.8		15.0			
Acetonitrile	0.0073 0.0058	0.0044	0.0045	0.0052	0.0052	LinF		0.0057							0.9974		0.9900
Methylene Chloride	0.1651 0.1102	0.1373	0.1098	0.1019	0.1112	LinF		0.1103							0.9999		0.9900
TBA	0.0342 0.0200	0.0207	0.0210	0.0208	0.0203	LinF		0.0200							0.9999		0.9900
MTBE	0.4661 0.3792	0.4101	0.3897	0.3846	0.3929	Ave		0.4038				8.0		15.0			
trans-1,2-Dichloroethene	0.1112 0.1046	0.1215	0.1055	0.0957	0.1020	Ave		0.1068				8.2		15.0			
Acrylonitrile	0.0741 0.0669	0.0645	0.0626	0.0634	0.0668	Ave		0.0664				6.3		15.0			
Hexane	0.0510 0.0617	0.0455	0.0661	0.0609	0.0613	Ave		0.0577				13.5		15.0			
DIPE	0.5326 0.4354	0.4777	0.4572	0.4426	0.4515	Ave		0.4662				7.6		15.0			
1,1-Dichloroethane	0.2633 0.2176	0.2518	0.2258	0.2028	0.2219	Ave		0.2305			0.1000	9.8		15.0			
Vinyl acetate	0.3004 0.2816	0.2510	0.2432	0.2880	0.3053	Ave		0.2782				9.2		15.0			
Allyl alcohol	0.0055 0.0049	0.0041	0.0046	0.0046	0.0050	Ave		0.0048				10.0		15.0			
Tert-butyl ethyl ether	0.5005 0.4110	0.4351	0.4359	0.4215	0.4304	Ave		0.4391				7.2		15.0			
2,2-Dichloropropane	0.2156 0.1882	0.2334	0.2029	0.1872	0.1985	Ave		0.2043				8.6		15.0			
cis-1,2-Dichloroethene	0.1499 0.1332	0.1385	0.1331	0.1251	0.1382	Ave		0.1363				6.0		15.0			
2-Butanone	0.0329 0.0235	0.0232	0.0250	0.0240	0.0243	Ave		0.0255				14.6		15.0			
Ethyl acetate	0.0267 0.0185	0.0190	0.0185	0.0187	0.0186	LinF		0.0185							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Propionitrile	0.0432 0.0291	0.0295	0.0305	0.0294	0.0299	LinF		0.0293							0.9999		0.9900
Bromochloromethane	0.0867 0.0623	0.0751	0.0678	0.0645	0.0674	Ave		0.0706				12.7		15.0			
Tetrahydrofuran	0.1306 0.0677	0.0935	0.0791	0.0730	0.0718	LinF		0.0684							0.9992		0.9900
Methacrylonitrile	0.1688 0.1450	0.1535	0.1472	0.1464	0.1522	Ave		0.1522				5.8		15.0			
Chloroform	0.2282 0.2182	0.2584	0.2251	0.2153	0.2309	Ave		0.2294				6.7		30.0			
Cyclohexane	0.1367 0.1870	0.1423	0.1919	0.1871	0.1925	LinF		0.1877							0.9998		0.9900
1,1,1-Trichloroethane	0.1732 0.1900	0.2142	0.1953	0.1884	0.2011	Ave		0.1937				7.1		15.0			
Carbon tetrachloride	0.1428 0.1628	0.1709	0.1646	0.1553	0.1713	Ave		0.1613				6.7		15.0			
1,1-Dichloropropene	0.1739 0.1742	0.1980	0.1771	0.1665	0.1809	Ave		0.1784				6.0		15.0			
Isobutyl alcohol	0.0116 0.0108	0.0096	0.0104	0.0104	0.0108	Ave		0.0106				6.2		15.0			
Benzene	0.6960 0.6041	0.7463	0.6268	0.5853	0.6077	Ave		0.6444				9.8		15.0			
Isopropyl acetate	0.5049 0.3866	0.4220	0.4192	0.4119	0.4182	Ave		0.4271				9.4		15.0			
Tert-amyl methyl ether	0.3982 0.3880	0.3946	0.4044	0.4039	0.4116	Ave		0.4001				2.1		15.0			
1,2-Dichloroethane	0.2386 0.1745	0.2119	0.1856	0.1792	0.1880	Ave		0.1963				12.4		15.0			
n-Heptane	0.0554 0.0754	0.0538	0.0815	0.0769	0.0809	LinF		0.0762							0.9990		0.9900
2,4,4-Trimethyl-1-pentene	0.0282 0.0429	0.0297	0.0429	0.0422	0.0455	LinF		0.0433							0.9994		0.9900
n-Butanol	0.0055 0.0055	0.0041	0.0048	0.0049	0.0055	Ave		0.0050				10.7		15.0			
Trichloroethene	0.1401 0.1252	0.1407	0.1262	0.1205	0.1303	Ave		0.1305				6.4		15.0			
Methylcyclohexane	0.1319 0.1853	0.1348	0.1892	0.1884	0.1942	LinF		0.1866							0.9996		0.9900
Ethyl acrylate	0.3676 0.3742	0.3352	0.3813	0.3753	0.3928	Ave		0.3711				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloropropane	0.1491 0.1367	0.1550	0.1385	0.1317	0.1436	Ave		0.1424				6.0		30.0			
Methyl methacrylate	0.0605 0.0470	0.0475	0.0449	0.0461	0.0494	Ave		0.0492				11.6		15.0			
1,4-Dioxane	0.0033 0.0036	0.0028	0.0027	0.0030	0.0036	Ave		0.0032				12.3		15.0			
Dibromomethane	0.1139 0.0778	0.0931	0.0834	0.0793	0.0872	Ave		0.0891				15.0		15.0			
Propyl acetate	0.1662 0.1342	0.1332	0.1408	0.1384	0.1408	Ave		0.1423				8.6		15.0			
Bromodichloromethane	0.1973 0.1775	0.2089	0.1691	0.1638	0.1885	Ave		0.1842				9.4		15.0			
2-Chloroethyl vinyl ether	0.0863 0.0946	0.0793	0.0817	0.0899	0.0950	Ave		0.0878				7.5		15.0			
Epichlorohydrin	0.0285 0.0234	0.0220	0.0227	0.0238	0.0239	Ave		0.0241				9.6		15.0			
cis-1,3-Dichloropropene	0.2970 0.2797	0.3177	0.2792	0.2634	0.2798	Ave		0.2861				6.6		15.0			
4-Methyl-2-pentanone	0.2513 0.2417	0.2284	0.2361	0.2392	0.2452	Ave		0.2403				3.3		15.0			
Toluene	0.8119 0.6577	0.8199	0.7135	0.6567	0.6851	Ave		0.7241				10.2		30.0			
trans-1,3-Dichloropropene	0.3481 0.2635	0.3127	0.2546	0.2526	0.2704	Ave		0.2837				13.6		15.0			
Ethyl methacrylate	0.2254 0.2076	0.1945	0.1981	0.2081	0.2213	Ave		0.2092				5.9		15.0			
1,1,2-Trichloroethane	0.1526 0.1360	0.1524	0.1391	0.1322	0.1399	Ave		0.1420				6.0		15.0			
Tetrachloroethylene	0.1775 0.1781	0.2109	0.1906	0.1721	0.1816	Ave		0.1851				7.6		15.0			
1,3-Dichloropropane	0.3481 0.2730	0.3206	0.2824	0.2713	0.2820	Ave		0.2962				10.5		15.0			
2-Hexanone	0.1883 0.1701	0.1652	0.1715	0.1728	0.1730	Ave		0.1735				4.5		15.0			
Butyl acetate	0.0662 0.0580	0.0550	0.0551	0.0573	0.0591	Ave		0.0584				7.0		15.0			
Dibromochloromethane	0.1792 0.1788	0.1920	0.1711	0.1654	0.1823	Ave		0.1781				5.2		15.0			
1,2-Dibromoethane	0.2247 0.1663	0.1890	0.1673	0.1649	0.1717	Ave		0.1806				12.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorobenzene	0.5104 0.4450	0.5436	0.4595	0.4371	0.4674	Ave		0.4772			0.3000	8.7		15.0			
Ethylbenzene	0.2173 0.2485	0.2682	0.2473	0.2377	0.2552	Ave		0.2457				7.0		30.0			
1,1,1,2-Tetrachloroethane	0.1703 0.1725	0.1975	0.1753	0.1631	0.1780	Ave		0.1761				6.6		15.0			
m&p-Xylene	0.3191 0.2977	0.3539	0.3120	0.2949	0.3143	Ave		0.3153				6.7		15.0			
Butyl acrylate	0.1525 0.1519	0.1380	0.1382	0.1473	0.1534	Ave		0.1469				4.9		15.0			
o-Xylene	0.3315 0.2965	0.3371	0.3162	0.2931	0.3140	Ave		0.3147				5.7		15.0			
Styrene	0.5277 0.5151	0.5764	0.5342	0.5113	0.5452	Ave		0.5350				4.4		15.0			
Amly acetate	0.5055 0.4319	0.4197	0.4127	0.4353	0.4495	Ave		0.4424				7.6		15.0			
Bromoform	0.1343 0.1447	0.1432	0.1284	0.1324	0.1473	Ave		0.1384			0.1000	5.5		15.0			
Isopropylbenzene	0.7195 0.7306	0.8784	0.7928	0.7581	0.8026	Ave		0.7803				7.5		15.0			
Camphene, Total	0.0751 0.0712	0.0588	0.0742	0.0734	0.0755	Ave		0.0713				8.9		15.0			
Monobromobenzene	0.4514 0.3711	0.4763	0.4152	0.3941	0.4145	Ave		0.4204				9.1		15.0			
1,1,2,2-Tetrachloroethane	0.5625 0.4221	0.4909	0.4409	0.4171	0.4362	Ave		0.4616			0.3000	12.1		15.0			
N-Propylbenzene	1.7026 1.5617	2.0491	1.7499	1.6717	1.7741	Ave		1.7515				9.3		15.0			
1,2,3-Trichloropropane	0.1854 0.1323	0.1626	0.1412	0.1313	0.1414	Ave		0.1490				14.2		15.0			
trans-1,4-Dichloro-2-butene	0.2070 0.1480	0.1619	0.1489	0.1449	0.1526	Ave		0.1606				14.6		15.0			
2-Chlorotoluene	1.2302 1.0712	1.3312	1.1771	1.1030	1.1775	Ave		1.1817				7.9		15.0			
1,3,5-Trimethylbenzene	1.1941 1.1159	1.3868	1.2432	1.1794	1.2269	Ave		1.2244				7.4		15.0			
p-Ethyltoluene	0.4923 0.4990	0.5881	0.5399	0.5122	0.5512	Ave		0.5305				6.9		15.0			
4-Chlorotoluene	1.1771 0.9705	1.2790	1.0530	1.0133	1.0709	Ave		1.0939				10.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	0.4849 0.4685	0.4176	0.4391	0.4541	0.4687	Ave		0.4555				5.3		15.0			
tert-Butylbenzene	1.0427 1.0030	1.2321	1.0559	1.0322	1.0777	Ave		1.0739				7.6		15.0			
1,2,4-Trimethylbenzene	1.2655 1.1538	1.4622	1.2226	1.1750	1.2459	Ave		1.2542				8.8		15.0			
sec-Butylbenzene	1.4411 1.4511	1.8260	1.5750	1.5126	1.5888	Ave		1.5658				9.0		15.0			
p-Isopropyltoluene	1.1568 1.2707	1.5329	1.3441	1.2761	1.3590	Ave		1.3233				9.5		15.0			
1,3-Dichlorobenzene	0.7735 0.7065	0.8603	0.7321	0.7102	0.7328	Ave		0.7526				7.7		15.0			
1,4-Dichlorobenzene	0.9225 0.7152	0.8999	0.7553	0.7155	0.7468	Ave		0.7925				11.8		15.0			
Benzyl chloride	1.0069 0.8590	0.8766	0.8553	0.8974	0.9200	Ave		0.9025				6.3		15.0			
Indan	0.6153 0.5632	0.5760	0.6007	0.5895	0.6073	Ave		0.5920				3.3		15.0			
1,4-Diethylbenzene	0.3259 0.3661	0.3389	0.3903	0.3785	0.4008	Ave		0.3667				8.0		15.0			
n-Butylbenzene	1.3648 1.4232	1.7217	1.5207	1.4714	1.5460	Ave		1.5080				8.2		15.0			
1,2-Dichlorobenzene	0.8073 0.6688	0.7984	0.7149	0.6791	0.7197	Ave		0.7314				8.0		15.0			
1,2,4,5-Tetramethylbenzene	0.5555 0.4939	0.5057	0.5295	0.5260	0.5582	Ave		0.5281				4.9		15.0			
1,2-Dibromo-3-Chloropropane	0.1304 +++++	0.1278	0.1037	0.0956	0.0992	Ave		0.1114				14.8		15.0			
1,2,4-Trichlorobenzene	0.6062 0.4418	0.5606	0.4602	0.4630	0.4832	Ave		0.5025				13.1		15.0			
Hexachlorobutadiene	0.2542 0.2741	0.3533	0.2878	0.2690	0.2916	Ave		0.2883				12.0		15.0			
Naphthalene	2.2292 1.1243	1.3226	1.1307	1.1901	1.2407	LinF		1.1422							0.9981		0.9900
1,2,3-Trichlorobenzene	0.6022 0.3826	0.4740	0.4034	0.3962	0.4197	LinF		0.3882							0.9983		0.9900
1,2-Dichloroethane-d4 (Surr)	0.2881 0.2745	0.2861	0.2906	0.2826	0.2864	Ave		0.2847				2.0		15.0			
Toluene-d8 (Surr)	1.0375 1.0546	1.0451	1.0455	1.0363	1.0203	Ave		1.0399				1.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromofluorobenzene	0.8276 0.7630	0.8357	0.8284	0.8207	0.8028	Ave		0.8130				3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.:

Instrument ID: VOAMS3 GC Column: Rtx-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47 Calibration End Date: 08/14/2012 16:08 Calibration ID: 16904

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-124069/6	c69970.d
Level 2	IC 460-124069/7	c69971.d
Level 3	ICIS 460-124069/2	c69957.d
Level 4	IC 460-124069/3	c69958.d
Level 5	IC 460-124069/4	c69959.d
Level 6	IC 460-124069/5	c69960.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	1843 727067	8612	26222	66892	268454	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	2700 1084949	13033	35367	89480	383519	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	2331 964298	11742	32424	80010	349846	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	LinF	1803 569334	6040	15751	41476	183627	1.00 500	5.00	20.0	50.0	200
Chloroethane	FB	Ave	1326 577658	6114	16075	42284	206632	1.00 500	5.00	20.0	50.0	200
Dichlorofluoromethane	FB	Ave	3424 1340058	14053	46473	115968	492407	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	2489 1239848	13710	41050	108105	455577	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	LinF	302 217714	1055	6711	17685	77207	2.00 1000	10.0	40.0	100	400
Ethanol	FB	Ave	16756 107068	25948	32673	50958	72666	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	1480 650199	6530	19883	54348	230214	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	1568 944058	7826	30870	76704	324971	1.00 500	5.00	20.0	50.0	200
Freon TF	FB	Ave	1317 690329	5141	22746	58570	242187	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	1426 136646	7396	9721	27495	58767	4.00 400	20.0	40.0	100	200
1,1-Dichloroethene	FB	Ave	875 551337	5961	16855	42602	190013	1.00 500	5.00	20.0	50.0	200
Acetone	FB	LinF	7377 362766	14161	13717	32393	130778	5.00 500	15.0	20.0	50.0	200
Iodomethane	FB	LinF	827 926962	3777	17003	61047	324128	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.:

Instrument ID: VOAMS3      GC Column: Rtx-624      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47      Calibration End Date: 08/14/2012 16:08      Calibration ID: 16904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	2767 1336290	11531	41646	107793	454032	1.00 500	5.00	20.0	50.0	200
Cyclopentene	FB	Ave	2872 1613521	13610	51354	130806	539690	1.00 500	5.00	20.0	50.0	200
Methyl acetate	FB	Ave	2458 1108123	11031	34911	97260	383110	1.00 500	5.00	20.0	50.0	200
Acetonitrile	FB	LinF	1882 738157	5653	18868	56187	225400	20.0 10000	100	400	1000	4000
Methylene Chloride	FB	LinF	2118 699349	8888	22955	55542	243103	1.00 500	5.00	20.0	50.0	200
TBA	FB	LinF	8780 2534120	26788	87949	226796	889457	20.0 10000	100	400	1000	4000
MTBE	FB	Ave	5980 2406348	26540	81475	209577	858808	1.00 500	5.00	20.0	50.0	200
trans-1,2-Dichloroethene	FB	Ave	1427 663728	7861	22064	52146	223021	1.00 500	5.00	20.0	50.0	200
Acrylonitrile	FB	Ave	1902 169762	8348	13096	34519	73002	2.00 200	10.0	20.0	50.0	100
Hexane	FB	Ave	654 391776	2943	13816	33182	134005	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	6833 2763145	30920	95582	241171	986890	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	3378 1380688	16296	47205	110489	485087	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	7708 3573736	32485	101702	313845	1334846	2.00 1000	10.0	40.0	100	400
Allyl alcohol	FB	Ave	70808 376009	106400	142749	201757	273097	1000 6000	2000	3000	4000	5000
Tert-butyl ethyl ether	FB	Ave	6421 2608592	28163	91123	229677	940919	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	Ave	2766 1194421	15106	42410	101999	433828	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethene	FB	Ave	1923 845138	8964	27819	68184	302186	1.00 500	5.00	20.0	50.0	200
2-Butanone	FB	Ave	2113 149009	4497	5231	13053	53137	5.00 500	15.0	20.0	50.0	200
Ethyl acetate	FB	LinF	686 234888	2462	7723	20370	81182	2.00 1000	10.0	40.0	100	400
Propionitrile	FB	LinF	1108 369978	3816	12741	32037	130770	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	1112 395410	4859	14171	35136	147241	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.:

Instrument ID: VOAMS3      GC Column: Rtx-624      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47      Calibration End Date: 08/14/2012 16:08      Calibration ID: 16904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tetrahydrofuran	FB	LinF	1676 429894	6052	16542	39752	156892	1.00 500	5.00	20.0	50.0	200
Methacrylonitrile	FB	Ave	2166 920129	9934	30769	79774	332684	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	2928 1384854	16726	47055	117307	504723	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	LinF	1754 1186523	9207	40117	101947	420889	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	2222 1205598	13862	40821	102661	439546	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	1832 1033135	11059	34401	84638	374339	1.00 500	5.00	20.0	50.0	200
1,1-Dichloropropene	FB	Ave	2231 1105688	12814	37027	90736	395347	1.00 500	5.00	20.0	50.0	200
Isobutyl alcohol	FB	Ave	148987 825748	249122	324844	453893	590866	1000 6000	2000	3000	4000	5000
Benzene	CBZ	Ave	7047 3048065	38339	105062	256485	1107040	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	12957 4906945	54631	175279	448808	1828106	2.00 1000	10.0	40.0	100	400
Tert-amyl methyl ether	FB	Ave	5109 2462211	25539	84543	220042	899779	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	3061 1107298	13716	38797	97649	410991	1.00 500	5.00	20.0	50.0	200
n-Heptane	FB	LinF	711 478229	3480	17041	41911	176901	1.00 500	5.00	20.0	50.0	200
2,4,4-Trimethyl-1-pentene	FB	LinF	723 544900	3848	17946	46016	198825	2.00 1000	10.0	40.0	100	400
n-Butanol	FB	Ave	34980 208244	53569	74948	107384	149952	500 3000	1000	1500	2000	2500
Trichloroethene	FB	Ave	1798 794625	9109	26391	65656	284728	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	LinF	1692 1176115	8722	39558	102670	424510	1.00 500	5.00	20.0	50.0	200
Ethyl acrylate	FB	Ave	4717 2374963	21694	79711	204505	858617	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	1913 867390	10029	28961	71781	313829	1.00 500	5.00	20.0	50.0	200
Methyl methacrylate	FB	Ave	776 298434	3076	9392	25102	107989	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	Ave	2133 13818	3656	4292	6481	9824	50.0 300	100	150	200	250

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.:

Instrument ID: VOAMS3      GC Column: Rtx-624      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47      Calibration End Date: 08/14/2012 16:08      Calibration ID: 16904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromomethane	FB	Ave	1462 494008	6027	17445	43195	190533	1.00 500	5.00	20.0	50.0	200
Propyl acetate	FB	Ave	4266 1702896	17244	58853	150784	615360	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	2531 1126412	13523	35358	89272	412027	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	1107 600081	5130	17074	49002	207741	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	CBZ	Ave	5777 2356915	22611	76253	208637	872098	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	CBZ	Ave	3007 1411523	16319	46809	115430	509617	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone	CBZ	Ave	12723 1219757	35197	39570	104810	446562	5.00 500	15.0	20.0	50.0	200
Toluene	CBZ	Ave	8221 3318986	42118	119595	287775	1247938	1.00 500	5.00	20.0	50.0	200
trans-1,3-Dichloropropene	CBZ	Ave	3525 1329771	16061	42679	110699	492457	1.00 500	5.00	20.0	50.0	200
Ethyl methacrylate	FB	Ave	2892 1317420	12591	41409	113384	483720	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	1545 686308	7829	23324	57913	254797	1.00 500	5.00	20.0	50.0	200
Tetrachloroethylene	CBZ	Ave	1797 898573	10835	31950	75418	330805	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	3525 1377647	16470	47333	118887	513652	1.00 500	5.00	20.0	50.0	200
2-Hexanone	CBZ	Ave	9533 858395	25452	28741	75711	315217	5.00 500	15.0	20.0	50.0	200
Butyl acetate	CBZ	Ave	1340 585269	5654	18466	50202	215164	2.00 1000	10.0	40.0	100	400
Dibromochloromethane	CBZ	Ave	1814 902443	9861	28674	72496	331983	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	2275 839036	9709	28038	72253	312833	1.00 500	5.00	20.0	50.0	200
Chlorobenzene	CBZ	Ave	5168 2245535	27923	77019	191542	851332	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	2200 1254065	13778	41456	104172	464768	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	1724 870218	10143	29381	71465	324252	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	6462 3003914	36358	104602	258490	1145046	2.00 1000	10.0	40.0	100	400

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.:

Instrument ID: VOAMS3      GC Column: Rtx-624      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47      Calibration End Date: 08/14/2012 16:08      Calibration ID: 16904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Butyl acrylate	CBZ	Ave	1544 766654	7089	23162	64561	279371	1.00 500	5.00	20.0	50.0	200
o-Xylene	CBZ	Ave	3356 1496106	17318	53011	128455	572013	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	5343 2599418	29609	89551	224049	993122	1.00 500	5.00	20.0	50.0	200
Amly acetate	DCB	Ave	2674 1225851	11520	37465	103015	441439	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	1360 730004	7355	21517	58028	268257	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	7285 3686646	45124	132888	332213	1461940	1.00 500	5.00	20.0	50.0	200
Camphepane, Total	CBZ	Ave	760 359229	3020	12431	32177	137457	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	2388 1053281	13072	37688	93264	407112	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	2976 1197969	13475	40026	98702	428359	1.00 500	5.00	20.0	50.0	200
N-Propylbenzene	DCB	Ave	9007 4432021	56243	158850	395585	1742270	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichloropropane	DCB	Ave	981 375441	4463	12814	31072	138832	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	DCB	Ave	1095 420124	4444	13519	34287	149856	1.00 500	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	6508 3040008	36537	106858	261025	1156372	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	6317 3166895	38065	112861	279087	1204869	1.00 500	5.00	20.0	50.0	200
p-Ethyltoluene	FB	Ave	6317 3166895	38065	112861	279087	1204869	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	6227 2754318	35104	95586	239784	1051656	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	2565 1329705	11462	39858	107453	460300	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	5516 2846501	33819	95854	244252	1058334	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	6695 3274358	40134	110988	278065	1223538	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	7624 4118115	50120	142979	357955	1560274	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	6120 3606093	42073	122019	301988	1334581	1.00 500	5.00	20.0	50.0	200

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 124069

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3      GC Column: Rtx-624      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 08:47      Calibration End Date: 08/14/2012 16:08      Calibration ID: 16904

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,3-Dichlorobenzene	DCB	Ave	4092 2004910	23613	66463	168057	719684	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	4880 2029674	24700	68568	169321	733357	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	5327 2437900	24060	77646	212363	903485	1.00 500	5.00	20.0	50.0	200
Indan	FB	Ave	7894 3574339	37282	125572	321202	1327595	1.00 500	5.00	20.0	50.0	200
1,4-Diethylbenzene	FB	Ave	4181 2323349	21934	81591	206222	876095	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	7220 4039054	47255	138049	348195	1518261	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	4271 1897983	21914	64895	160692	706837	1.00 500	5.00	20.0	50.0	200
1,2,4,5-Tetramethylbenzene	FB	Ave	7127 3134577	32731	110686	286591	1220276	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	Ave	690 +++++	3508	9413	22634	97404	1.00 +++++	5.00	20.0	50.0	200
1,2,4-Trichlorobenzene	DCB	Ave	3207 1253741	15387	41778	109567	474545	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	1345 777999	9696	26124	63647	286375	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	LinF	11793 3190842	36303	102644	281619	1218403	1.00 500	5.00	20.0	50.0	200
1,2,3-Trichlorobenzene	DCB	LinF	3186 1085844	13011	36617	93750	412162	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	184850 174219	185160	151854	153976	156514	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	525256 532130	536871	438119	454113	464632	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	218911 216533	229378	187995	194215	197106	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD

LinF = Linear ISTD forced zero

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69957.d  
Report Date: 15-Aug-2012 11:25

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69957.d  
Lab Smp Id: ICIS-VCAL3  
Inj Date : 14-AUG-2012 08:47  
Operator : Inst ID: VOAMS3.i  
Smp Info : ICIS-VCAL3  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:25 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 08:47 Cal File: c69957.d  
Als bottle: 6 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)		26222	20.0000	20(M)
3 Chloromethane	50	1.727	1.727 (0.297)		35367	20.0000	18
4 Vinyl Chloride	62	1.794	1.794 (0.308)		32424	20.0000	19
6 Bromomethane	94	2.080	2.080 (0.358)		15751	20.0000	17
5 Chloroethane	64	2.165	2.165 (0.372)		16075	20.0000	17
180 Dichlorofluoromethane	67	2.372	2.372 (0.408)		46473	20.0000	20
7 Trichlorofluoromethane	101	2.372	2.372 (0.408)		41050	20.0000	20
8 n-Pentane	72	2.420	2.420 (0.416)		6711	40.0000	44
9 Ethanol	46	2.603	2.603 (0.448)		32673	3000.00	2600
10 Isoprene	67	2.658	2.658 (0.457)		30870	20.0000	21
11 Ethyl Ether	59	2.639	2.639 (0.454)		19883	20.0000	18
13 Acrolein	56	2.822	2.822 (0.485)		9721	40.0000	35
15 1,1-Dichloroethene	96	2.852	2.852 (0.490)		16855	20.0000	20
14 Freon TF	101	2.816	2.816 (0.484)		22746	20.0000	21
16 Acetone	43	2.962	2.962 (0.509)		13717	20.0000	23
17 Iodomethane	142	3.023	3.023 (0.520)		17003	20.0000	11

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69957.d  
 Report Date: 15-Aug-2012 11:25

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)		41646	20.0000	20
20 Allyl Chloride	76	3.205	3.205 (0.551)		11500	20.0000	19
21 Acetonitrile	39	3.278	3.278 (0.564)		18868	400.000	320
170 Cyclopentene	67	3.217	3.217 (0.553)		51354	20.0000	21
27 Methyl Acetate	43	3.223	3.223 (0.554)		34911	20.0000	19
22 Methylene Chloride	84	3.339	3.339 (0.574)		22955	20.0000	20
24 TBA	59	3.424	3.424 (0.589)		87949	400.000	420
25 trans-1,2-Dichloroethene	96	3.546	3.546 (0.610)		22064	20.0000	20
26 Acrylonitrile	53	3.637	3.637 (0.625)		13096	20.0000	19
28 MTBE	73	3.527	3.527 (0.607)		81475	20.0000	19
29 Hexane	56	3.722	3.722 (0.640)		13816	20.0000	23
30 1,1-Dichloroethane	63	3.990	3.990 (0.686)		47205	20.0000	20
31 Vinyl Acetate	43	4.020	4.020 (0.691)		101702	40.0000	35
32 DIPE	45	3.965	3.965 (0.682)		95582	20.0000	20
33 Allyl Alcohol	57	4.045	4.045 (0.696)		142749	3000.00	2800
34 n-Propanol	60	4.099	4.099 (0.705)		27283	3000.00	2900
35 t-Butyl-ethyl-ether	59	4.324	4.324 (0.744)		91123	20.0000	20
37 2,2-Dichloropropane	77	4.556	4.556 (0.783)		42410	20.0000	20
36 cis-1,2-Dichloroethene	96	4.580	4.580 (0.788)		27819	20.0000	20
38 2-Butanone	72	4.610	4.610 (0.793)		5231	20.0000	20
39 Ethyl Acetate	70	4.616	4.616 (0.794)		7723	40.0000	40
40 Bromochloromethane	128	4.842	4.842 (0.833)		14171	20.0000	19
41 Tetrahydrofuran	42	4.842	4.842 (0.833)		16542	20.0000	20
42 Chloroform	83	4.908	4.908 (0.844)		47055	20.0000	20
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.871)		40821	20.0000	20
44 Cyclohexane	56	5.048	5.048 (0.868)		40117	20.0000	20
45 Carbon Tetrachloride	117	5.200	5.200 (0.894)		34401	20.0000	20
46 1,1-Dichloropropene	75	5.243	5.243 (0.902)		37027	20.0000	21
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.492	5.492 (0.945)		151854	50.0000	51
48 Benzene	78	5.474	5.474 (0.627)		105062	20.0000	19
173 Propionitrile	54	4.762	4.762 (0.819)		12741	40.0000	42
49 1,2-Dichloroethane	62	5.584	5.584 (0.960)		38797	20.0000	19
181 Isobutyl Alcohol	43	5.407	5.407 (0.930)		324844	3000.00	2900
174 Methacrylonitrile	67	4.884	4.884 (0.840)		30769	20.0000	19
51 n-Heptane	57	5.663	5.663 (0.974)		17041	20.0000	21
50 t-Amyl-methyl-ether	73	5.559	5.559 (0.956)		84543	20.0000	20
61 Isopropyl Acetate	43	5.559	5.559 (0.956)		175279	40.0000	39
* 52 Fluorobenzene	96	5.815	5.815 (1.000)		522629	50.0000	
166 2,4,4-Trimethyl-1-pentene	112	6.070	6.070 (1.044)		17946	40.0000	44
54 Trichloroethene	95	6.216	6.216 (1.069)		26391	20.0000	19
53 n-Butanol	41	6.186	6.186 (1.064)		74948	1500.00	1400
56 Methyl cyclohexane	83	6.350	6.350 (1.092)		39558	20.0000	20
55 Ethyl Acrylate	55	6.362	6.362 (1.094)		79711	20.0000	20
57 1,2-Dichloropropane	63	6.521	6.521 (1.121)		28961	20.0000	19
58 Dibromomethane	93	6.648	6.648 (1.143)		17445	20.0000	19
60 1,4-Dioxane	88	6.642	6.642 (1.142)		4292	150.000	130
59 Methyl Methacrylate	100	6.612	6.612 (1.137)		9392	20.0000	18

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69957.d  
 Report Date: 15-Aug-2012 11:25

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
=====	====	====	=====	=====	=====	=====	=====
75 Propyl Acetate	43	6.667	6.667 (1.146)		58853	40.0000	40
68 Bromodichloromethane	83	6.800	6.800 (1.169)		35358	20.0000	18
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111 (1.223)		17074	20.0000	19
63 Epichlorohydrin	57	7.202	7.202 (0.825)		76253	400.000	380
67 cis-1,3-Dichloropropene	75	7.251	7.251 (0.831)		46809	20.0000	20
70 4-Methyl-2-Pentanone	43	7.391	7.391 (0.847)		39570	20.0000	20
\$ 65 Toluene-d8 (SUR)	98	7.457	7.457 (0.854)		438119	50.0000	50
66 Toluene	91	7.518	7.518 (0.861)		119595	20.0000	20
64 trans-1,3-Dichloropropene	75	7.786	7.786 (0.892)		42679	20.0000	18
69 1,1,2-Trichloroethane	83	7.944	7.944 (0.910)		23324	20.0000	20
71 Tetrachloroethene	166	7.981	7.981 (0.914)		31950	20.0000	20
175 Ethyl methacrylate	69	7.810	7.810 (1.343)		41409	20.0000	19
72 1,3-Dichloropropane	76	8.096	8.096 (0.928)		47333	20.0000	19
73 2-Hexanone	43	8.139	8.139 (0.932)		28741	20.0000	20
74 Dibromochloromethane	129	8.260	8.260 (0.946)		28674	20.0000	19
76 Butyl Acetate	73	8.218	8.218 (0.941)		18466	40.0000	38
77 1,2-Dibromoethane	107	8.370	8.370 (0.959)		28038	20.0000	18
* 78 Chlorobenzene-d5	117	8.729	8.729 (1.000)		419067	50.0000	
79 Chlorobenzene	112	8.747	8.747 (1.002)		77019	20.0000	19
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820 (1.010)		29381	20.0000	20
81 Ethylbenzene	106	8.808	8.808 (1.009)		41456	20.0000	20
82 m+p-Xylene	106	8.905	8.905 (1.020)		104602	40.0000	40
84 o-Xylene	106	9.222	9.222 (1.056)		53011	20.0000	20
85 Styrene	104	9.240	9.240 (1.059)		89551	20.0000	20
83 Butyl Acrylate	73	9.185	9.185 (1.052)		23162	20.0000	19
86 Bromoform	173	9.410	9.410 (1.078)		21517	20.0000	18
87 Amyl Acetate	43	9.356	9.356 (0.892)		37465	20.0000	19
88 Isopropylbenzene	105	9.489	9.489 (1.087)		132888	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		187995	50.0000	51
90 Camphene (total)	41	9.666	9.666 (1.107)		12431	20.0000	21
91 Bromobenzene	156	9.757	9.757 (0.930)		37688	20.0000	20
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769 (0.932)		40026	20.0000	19
93 1,2,3-Trichloropropene	110	9.812	9.812 (0.936)		12814	20.0000	19
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818 (0.936)		13519	20.0000	18
95 n-Propylbenzene	91	9.794	9.794 (0.934)		158850	20.0000	20
96 2-Chlorotoluene	91	9.885	9.885 (0.943)		106858	20.0000	20
97 1,3,5-Trimethylbenzene	105	9.927	9.927 (0.947)		112861	20.0000	20
98 4-Chlorotoluene	91	9.970	9.970 (0.951)		95586	20.0000	19
99 Butyl Methacrylate	87	9.982	9.982 (0.952)		39858	20.0000	19
184 4-Ethyltoluene	105	9.927	9.927 (1.707)		112861	20.0000	20
100 tert-Butylbenzene	119	10.159	10.159 (0.969)		95854	20.0000	20
101 1,2,4-Trimethylbenzene	105	10.201	10.201 (0.973)		110988	20.0000	19
103 sec-Butylbenzene	105	10.317	10.317 (0.984)		142979	20.0000	20
105 1,3-Dichlorobenzene	146	10.432	10.432 (0.995)		66463	20.0000	19
107 p-Isopropyltoluene	119	10.414	10.414 (0.993)		122019	20.0000	20
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487 (1.000)		226948	50.0000	
109 1,4-Dichlorobenzene	146	10.505	10.505 (1.002)		68568	20.0000	19

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69957.d  
Report Date: 15-Aug-2012 11:25

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====	
110 Benzyl Chloride	91	10.603	10.603	(1.011)		77646	20.0000	19
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)		81591	20.0000	21
106 n-Butylbenzene	91	10.706	10.706	(1.021)		138049	20.0000	20
171 Indan	117	10.657	10.657	(1.833)		125572	20.0000	20
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)		64895	20.0000	20
182 1,2,4,5-Tetramethylbenzene	119	11.241	11.241	(1.933)		110686	20.0000	20
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)		9413	20.0000	19
114 1,2,4-Trichlorobenzene	180	11.971	11.971	(1.142)		41778	20.0000	18
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)		26124	20.0000	20
116 Naphthalene	128	12.209	12.209	(1.164)		102644	20.0000	20
117 1,2,3-Trichlorobenzene	180	12.440	12.440	(1.186)		36617	20.0000	21
M 120 1,2-Dichloroethene (Total)	100					49883	40.0000	39
M 121 Xylene (Total)	100					157613	60.0000	60

#### QC Flag Legend

M - Compound response manually integrated.

Data File: c69957.d

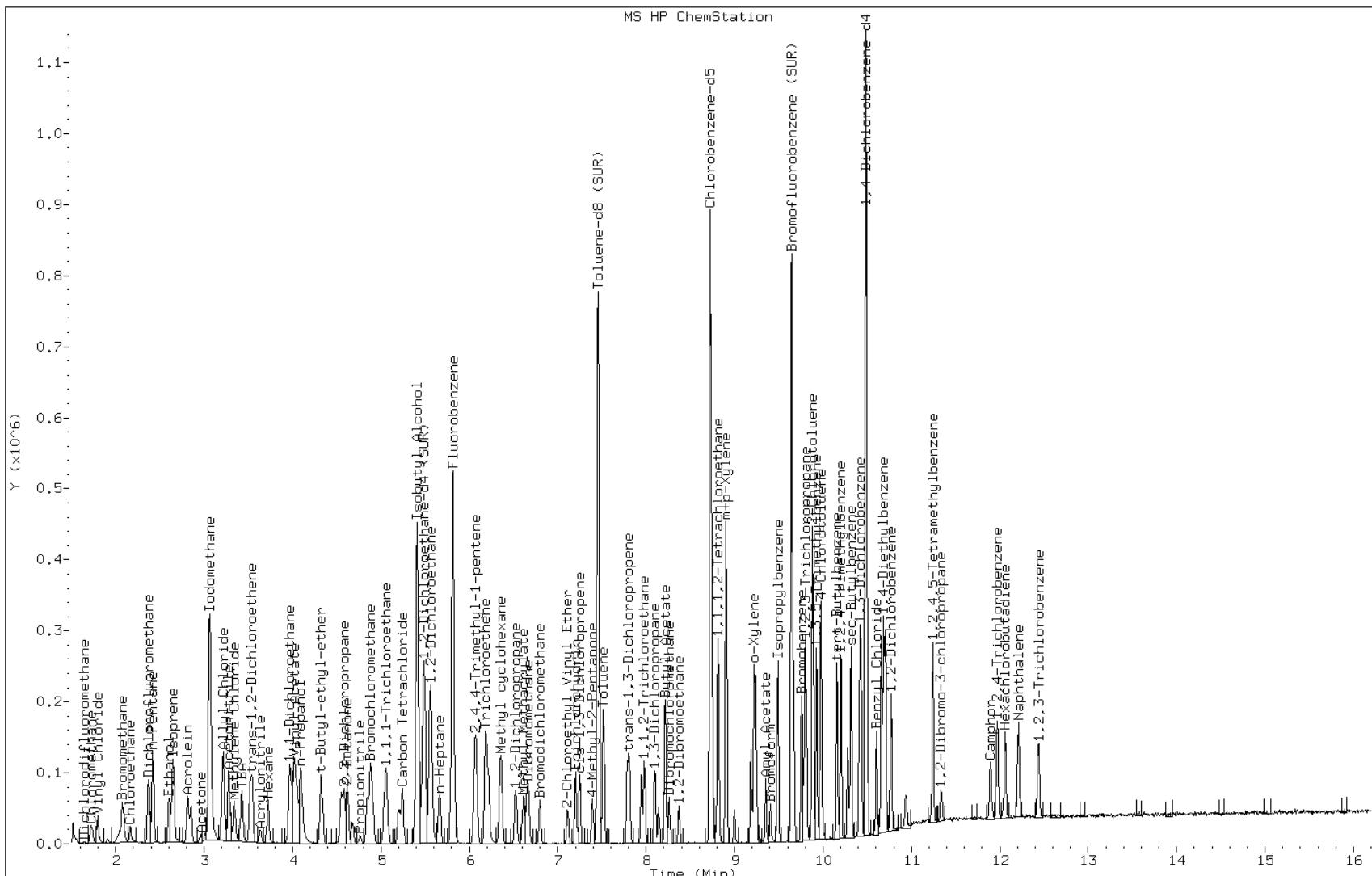
Date: 14-AUG-2012 08:47

Client ID:

Instrument: VOAMS3.i

Sample Info: ICIS-VCAL3

### Operator:



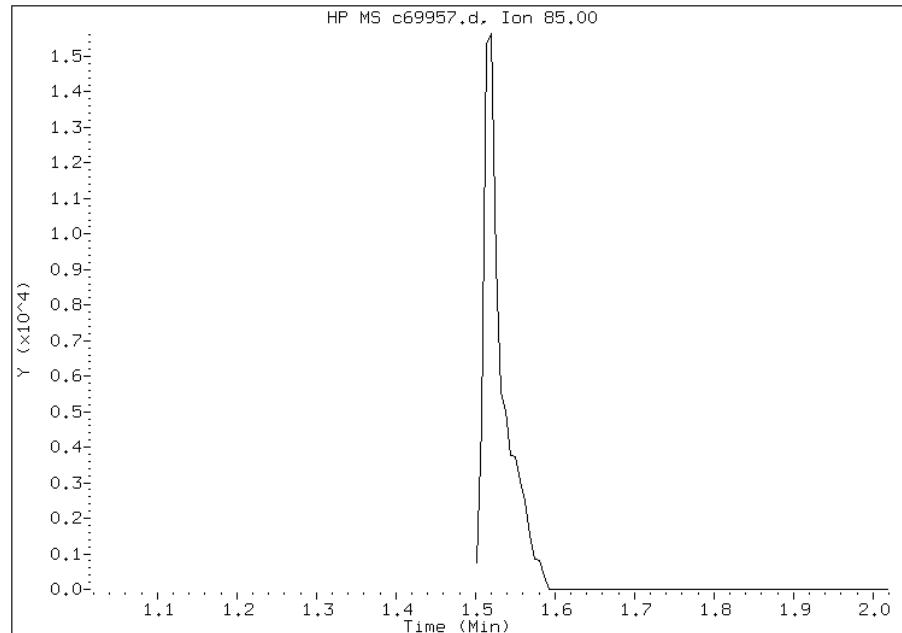
## Manual Integration Report

Data File: c69957.d  
Inj. Date and Time: 14-AUG-2012 08:47  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



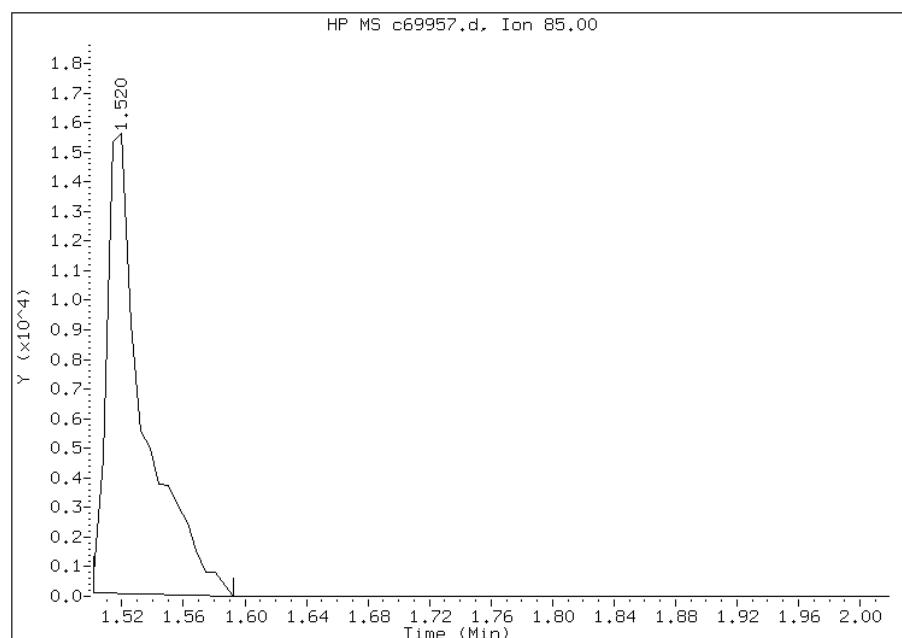
### Manual Integration Results

RT: 1.52

Response: 26222

Amount: 20

Conc: 20



Manually Integrated By: vibha

Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69958.d  
Report Date: 15-Aug-2012 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69958.d  
Lab Smp Id: IC-VCAL4  
Inj Date : 14-AUG-2012 09:11  
Operator : Inst ID: VOAMS3.i  
Smp Info : IC-VCAL4  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:26 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 09:11 Cal File: c69958.d  
Als bottle: 7 Calibration Sample, Level: 4  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)	ON-COL
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)			66892	50.0000	48(M)
3 Chloromethane	50	1.727	1.727 (0.297)			89480	50.0000	45
4 Vinyl Chloride	62	1.793	1.794 (0.308)			80010	50.0000	45
6 Bromomethane	94	2.079	2.080 (0.358)			41476	50.0000	43
5 Chloroethane	64	2.165	2.165 (0.372)			42284	50.0000	43
180 Dichlorofluoromethane	67	2.365	2.372 (0.407)			115968	50.0000	47
7 Trichlorofluoromethane	101	2.371	2.372 (0.408)			108105	50.0000	49
8 n-Pentane	72	2.420	2.420 (0.416)			17685	100.000	110
9 Ethanol	46	2.603	2.603 (0.448)			50958	4000.00	3900
10 Isoprene	67	2.651	2.658 (0.456)			76704	50.0000	51
11 Ethyl Ether	59	2.639	2.639 (0.454)			54348	50.0000	48
13 Acrolein	56	2.828	2.822 (0.486)			27495	100.000	95
15 1,1-Dichloroethene	96	2.852	2.852 (0.490)			42602	50.0000	48
14 Freon TF	101	2.816	2.816 (0.484)			58570	50.0000	52
16 Acetone	43	2.962	2.962 (0.509)			32393	50.0000	52
17 Iodomethane	142	3.016	3.023 (0.519)			61047	50.0000	38

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69958.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)		107793	50.0000	49
20 Allyl Chloride	76	3.205	3.205 (0.551)		29735	50.0000	48
21 Acetonitrile	39	3.278	3.278 (0.564)		56187	1000.00	900
170 Cyclopentene	67	3.223	3.217 (0.554)		130806	50.0000	51
27 Methyl Acetate	43	3.223	3.223 (0.554)		97260	50.0000	51
22 Methylene Chloride	84	3.339	3.339 (0.574)		55542	50.0000	46
24 TBA	59	3.424	3.424 (0.589)		226796	1000.00	1000
25 trans-1,2-Dichloroethene	96	3.546	3.546 (0.610)		52146	50.0000	45
26 Acrylonitrile	53	3.637	3.637 (0.625)		34519	50.0000	48
28 MTBE	73	3.527	3.527 (0.607)		209577	50.0000	48
29 Hexane	56	3.722	3.722 (0.640)		33182	50.0000	53
30 1,1-Dichloroethane	63	3.996	3.990 (0.687)		110489	50.0000	44
31 Vinyl Acetate	43	4.020	4.020 (0.691)		313845	100.000	100
32 DIPE	45	3.971	3.965 (0.683)		241171	50.0000	47
33 Allyl Alcohol	57	4.044	4.045 (0.696)		201757	4000.00	3900
34 n-Propanol	60	4.099	4.099 (0.705)		38589	4000.00	3900
35 t-Butyl-ethyl-ether	59	4.330	4.324 (0.745)		229677	50.0000	48
37 2,2-Dichloropropane	77	4.555	4.556 (0.783)		101999	50.0000	46
36 cis-1,2-Dichloroethene	96	4.580	4.580 (0.788)		68184	50.0000	46
38 2-Butanone	72	4.616	4.610 (0.794)		13053	50.0000	47
39 Ethyl Acetate	70	4.622	4.616 (0.795)		20370	100.000	100
40 Bromochloromethane	128	4.841	4.842 (0.833)		35136	50.0000	46
41 Tetrahydrofuran	42	4.847	4.842 (0.834)		39752	50.0000	47
42 Chloroform	83	4.902	4.908 (0.843)		117307	50.0000	47
43 1,1,1-Trichloroethane	97	5.073	5.067 (0.872)		102661	50.0000	49
44 Cyclohexane	56	5.048	5.048 (0.868)		101947	50.0000	50
45 Carbon Tetrachloride	117	5.200	5.200 (0.894)		84638	50.0000	48
46 1,1-Dichloropropene	75	5.243	5.243 (0.902)		90736	50.0000	49
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.492	5.492 (0.945)		153976	50.0000	50
48 Benzene	78	5.474	5.474 (0.627)		256485	50.0000	45
173 Propionitrile	54	4.768	4.762 (0.820)		32037	100.000	100
49 1,2-Dichloroethane	62	5.584	5.584 (0.960)		97649	50.0000	46
181 Isobutyl Alcohol	43	5.407	5.407 (0.930)		453893	4000.00	3900
174 Methacrylonitrile	67	4.884	4.884 (0.840)		79774	50.0000	48
51 n-Heptane	57	5.663	5.663 (0.974)		41911	50.0000	50
50 t-Amyl-methyl-ether	73	5.559	5.559 (0.956)		220042	50.0000	50
61 Isopropyl Acetate	43	5.559	5.559 (0.956)		448808	100.000	96
* 52 Fluorobenzene	96	5.815	5.815 (1.000)		544860	50.0000	
166 2,4,4-Trimethyl-1-pentene	112	6.070	6.070 (1.044)		46016	100.000	110
54 Trichloroethene	95	6.222	6.216 (1.070)		65656	50.0000	46
53 n-Butanol	41	6.186	6.186 (1.064)		107384	2000.00	2000
56 Methyl cyclohexane	83	6.350	6.350 (1.092)		102670	50.0000	50
55 Ethyl Acrylate	55	6.362	6.362 (1.094)		204505	50.0000	50
57 1,2-Dichloropropane	63	6.527	6.521 (1.122)		71781	50.0000	46
58 Dibromomethane	93	6.648	6.648 (1.143)		43195	50.0000	44
60 1,4-Dioxane	88	6.648	6.642 (1.143)		6481	200.000	190
59 Methyl Methacrylate	100	6.612	6.612 (1.137)		25102	50.0000	47

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69958.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.673	6.667	(1.148)	150784	100.000	97
68 Bromodichloromethane	83	6.800	6.800	(1.169)	89272	50.0000	44
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111	(1.223)	49002	50.0000	51
63 Epichlorohydrin	57	7.202	7.202	(0.825)	208637	1000.00	990
67 cis-1,3-Dichloropropene	75	7.250	7.251	(0.831)	115430	50.0000	46
70 4-Methyl-2-Pentanone	43	7.390	7.391	(0.847)	104810	50.0000	50
\$ 65 Toluene-d8 (SUR)	98	7.457	7.457	(0.854)	454113	50.0000	50
66 Toluene	91	7.518	7.518	(0.861)	287775	50.0000	45
64 trans-1,3-Dichloropropene	75	7.786	7.786	(0.892)	110699	50.0000	44
69 1,1,2-Trichloroethane	83	7.944	7.944	(0.910)	57913	50.0000	46
71 Tetrachloroethene	166	7.980	7.981	(0.914)	75418	50.0000	46
175 Ethyl methacrylate	69	7.810	7.810	(1.343)	113384	50.0000	50
72 1,3-Dichloropropane	76	8.096	8.096	(0.928)	118887	50.0000	46
73 2-Hexanone	43	8.139	8.139	(0.932)	75711	50.0000	50
74 Dibromochloromethane	129	8.260	8.260	(0.946)	72496	50.0000	46
76 Butyl Acetate	73	8.218	8.218	(0.941)	50202	100.000	98
77 1,2-Dibromoethane	107	8.370	8.370	(0.959)	72253	50.0000	46
* 78 Chlorobenzene-d5	117	8.729	8.729	(1.000)	438196	50.0000	
79 Chlorobenzene	112	8.747	8.747	(1.002)	191542	50.0000	46
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820	(1.010)	71465	50.0000	46
81 Ethylbenzene	106	8.808	8.808	(1.009)	104172	50.0000	48
82 m+p-Xylene	106	8.905	8.905	(1.020)	258490	100.000	94
84 o-Xylene	106	9.222	9.222	(1.056)	128455	50.0000	46
85 Styrene	104	9.240	9.240	(1.059)	224049	50.0000	48
83 Butyl Acrylate	73	9.185	9.185	(1.052)	64561	50.0000	50
86 Bromoform	173	9.410	9.410	(1.078)	58028	50.0000	48
87 Amyl Acetate	43	9.355	9.356	(0.892)	103015	50.0000	49
88 Isopropylbenzene	105	9.489	9.489	(1.087)	332213	50.0000	48
\$ 89 Bromofluorobenzene (SUR)	174	9.647	9.648	(0.920)	194215	50.0000	50
90 Camphene (total)	41	9.666	9.666	(1.107)	32177	50.0000	51
91 Bromobenzene	156	9.757	9.757	(0.930)	93264	50.0000	47
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769	(0.932)	98702	50.0000	45
93 1,2,3-Trichloropropene	110	9.812	9.812	(0.936)	31072	50.0000	44
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818	(0.936)	34287	50.0000	45
95 n-Propylbenzene	91	9.793	9.794	(0.934)	395585	50.0000	48
96 2-Chlorotoluene	91	9.885	9.885	(0.943)	261025	50.0000	47
97 1,3,5-Trimethylbenzene	105	9.927	9.927	(0.947)	279087	50.0000	48
98 4-Chlorotoluene	91	9.970	9.970	(0.951)	239784	50.0000	46
99 Butyl Methacrylate	87	9.982	9.982	(0.952)	107453	50.0000	50
184 4-Ethyltoluene	105	9.927	9.927	(1.707)	279087	50.0000	48
100 tert-Butylbenzene	119	10.158	10.159	(0.969)	244252	50.0000	48
101 1,2,4-Trimethylbenzene	105	10.207	10.201	(0.973)	278065	50.0000	47
103 sec-Butylbenzene	105	10.317	10.317	(0.984)	357955	50.0000	48
105 1,3-Dichlorobenzene	146	10.432	10.432	(0.995)	168057	50.0000	47
107 p-Isopropyltoluene	119	10.414	10.414	(0.993)	301988	50.0000	48
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	236641	50.0000	
109 1,4-Dichlorobenzene	146	10.505	10.505	(1.002)	169321	50.0000	45

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69958.d  
Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====
110 Benzyl Chloride	91	10.602	10.603	(1.011)	212363	50.0000	50
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)	206222	50.0000	52
106 n-Butylbenzene	91	10.706	10.706	(1.021)	348195	50.0000	49
171 Indan	117	10.657	10.657	(1.833)	321202	50.0000	50
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)	160692	50.0000	46
182 1,2,4,5-Tetramethylbenzene	119	11.241	11.241	(1.933)	286591	50.0000	50
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)	22634	50.0000	43
114 1,2,4-Trichlorobenzene	180	11.971	11.971	(1.142)	109567	50.0000	46
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)	63647	50.0000	47
116 Naphthalene	128	12.209	12.209	(1.164)	281619	50.0000	52
117 1,2,3-Trichlorobenzene	180	12.434	12.440	(1.186)	93750	50.0000	51
M 120 1,2-Dichloroethene (Total)	100				120330	100.000	91
M 121 Xylene (Total)	100				386945	150.000	140

#### QC Flag Legend

M - Compound response manually integrated.

Data File: c69958.d

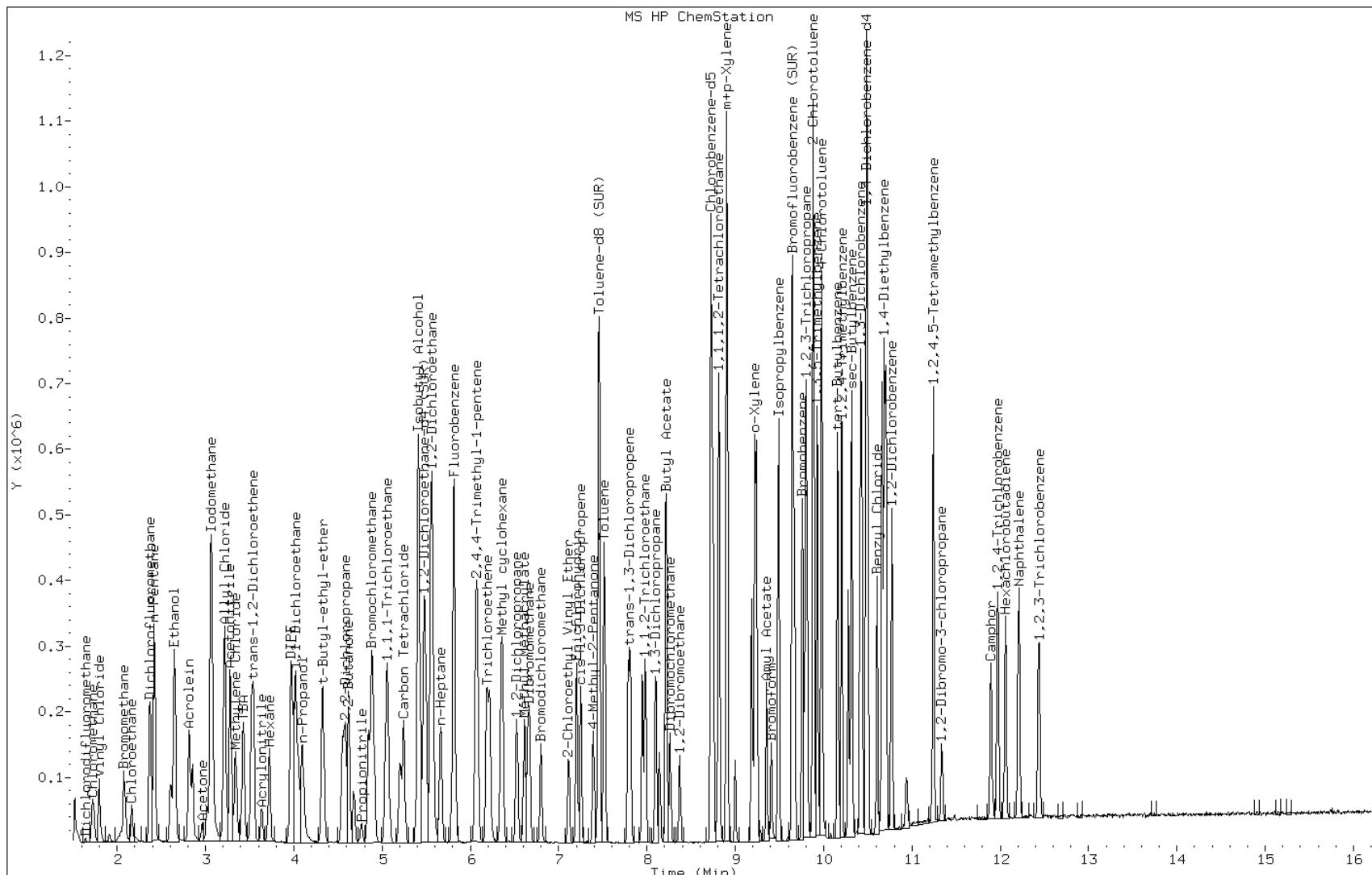
Date: 14-AUG-2012 09:11

Client ID:

Instrument: VOAMS3.i

Sample Info: IC-VCAL4

Operator:



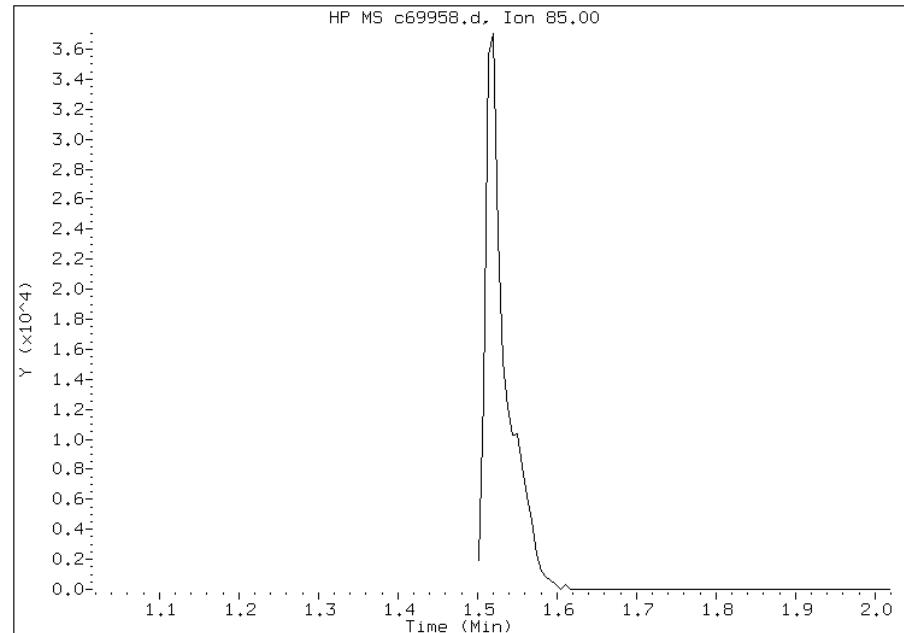
## Manual Integration Report

Data File: c69958.d  
Inj. Date and Time: 14-AUG-2012 09:11  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



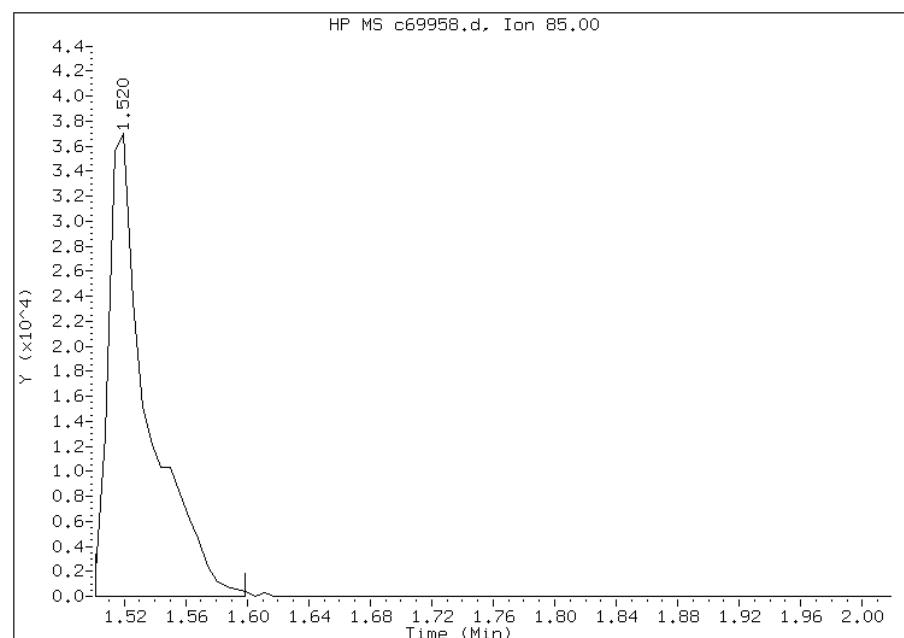
### Manual Integration Results

RT: 1.52

Response: 66892

Amount: 48

Conc: 48



Manually Integrated By: vibha

Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69959.d  
Report Date: 15-Aug-2012 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69959.d  
Lab Smp Id: IC-VCAL5  
Inj Date : 14-AUG-2012 09:34  
Operator : Inst ID: VOAMS3.i  
Smp Info : IC-VCAL5  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:26 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 09:34 Cal File: c69959.d  
Als bottle: 8 Calibration Sample, Level: 5  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)		268454	200.000	190(M)
3 Chloromethane	50	1.727	1.727 (0.297)		383519	200.000	190
4 Vinyl Chloride	62	1.794	1.794 (0.308)		349846	200.000	200
6 Bromomethane	94	2.080	2.080 (0.358)		183627	200.000	190
5 Chloroethane	64	2.165	2.165 (0.372)		206632	200.000	210
180 Dichlorofluoromethane	67	2.366	2.372 (0.407)		492407	200.000	200
7 Trichlorofluoromethane	101	2.372	2.372 (0.408)		455577	200.000	210
8 n-Pentane	72	2.420	2.420 (0.416)		77207	400.000	490
9 Ethanol	46	2.603	2.603 (0.448)		72666	5000.00	5500
10 Isoprene	67	2.652	2.658 (0.456)		324971	200.000	220
11 Ethyl Ether	59	2.639	2.639 (0.454)		230214	200.000	200
13 Acrolein	56	2.822	2.822 (0.485)		58767	200.000	200
15 1,1-Dichloroethene	96	2.852	2.852 (0.490)		190013	200.000	210
14 Freon TF	101	2.816	2.816 (0.484)		242187	200.000	220
16 Acetone	43	2.962	2.962 (0.509)		130778	200.000	210
17 Iodomethane	142	3.017	3.023 (0.519)		324128	200.000	200

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69959.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)	454032	200.000	210	
20 Allyl Chloride	76	3.205	3.205 (0.551)	125865	200.000	200(A)	
21 Acetonitrile	39	3.278	3.278 (0.564)	225400	4000.00	3600	
170 Cyclopentene	67	3.223	3.217 (0.554)	539690	200.000	210	
27 Methyl Acetate	43	3.223	3.223 (0.554)	383110	200.000	200	
22 Methylene Chloride	84	3.339	3.339 (0.574)	243103	200.000	200	
24 TBA	59	3.424	3.424 (0.589)	889457	4000.00	4100	
25 trans-1,2-Dichloroethene	96	3.546	3.546 (0.610)	223021	200.000	190	
26 Acrylonitrile	53	3.637	3.637 (0.625)	73002	100.000	100	
28 MTBE	73	3.528	3.527 (0.607)	858808	200.000	190	
29 Hexane	56	3.728	3.722 (0.641)	134005	200.000	210	
30 1,1-Dichloroethane	63	3.996	3.990 (0.687)	485087	200.000	190	
31 Vinyl Acetate	43	4.020	4.020 (0.691)	1334846	400.000	440	
32 DIPE	45	3.966	3.965 (0.682)	986890	200.000	190	
33 Allyl Alcohol	57	4.045	4.045 (0.696)	273097	5000.00	5200	
34 n-Propanol	60	4.105	4.099 (0.706)	51050	5000.00	5100	
35 t-Butyl-ethyl-ether	59	4.324	4.324 (0.744)	940919	200.000	200	
37 2,2-Dichloropropane	77	4.556	4.556 (0.783)	433828	200.000	190	
36 cis-1,2-Dichloroethene	96	4.586	4.580 (0.789)	302186	200.000	200	
38 2-Butanone	72	4.617	4.610 (0.794)	53137	200.000	190	
39 Ethyl Acetate	70	4.623	4.616 (0.795)	81182	400.000	400	
40 Bromochloromethane	128	4.848	4.842 (0.834)	147241	200.000	190	
41 Tetrahydrofuran	42	4.848	4.842 (0.834)	156892	200.000	190	
42 Chloroform	83	4.909	4.908 (0.844)	504723	200.000	200	
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.871)	439546	200.000	210	
44 Cyclohexane	56	5.048	5.048 (0.868)	420889	200.000	200	
45 Carbon Tetrachloride	117	5.207	5.200 (0.895)	374339	200.000	210	
46 1,1-Dichloropropene	75	5.243	5.243 (0.902)	395347	200.000	210	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.492 (0.945)	156514	50.0000	50	
48 Benzene	78	5.474	5.474 (0.627)	1107040	200.000	190	
173 Propionitrile	54	4.769	4.762 (0.820)	130770	400.000	410	
49 1,2-Dichloroethane	62	5.584	5.584 (0.960)	410991	200.000	190	
181 Isobutyl Alcohol	43	5.413	5.407 (0.931)	590866	5000.00	5100	
174 Methacrylonitrile	67	4.884	4.884 (0.840)	332684	200.000	200	
51 n-Heptane	57	5.663	5.663 (0.974)	176901	200.000	210	
50 t-Amyl-methyl-ether	73	5.559	5.559 (0.956)	899779	200.000	200	
61 Isopropyl Acetate	43	5.559	5.559 (0.956)	1828106	400.000	390	
* 52 Fluorobenzene	96	5.815	5.815 (1.000)	546478	50.0000		
166 2,4,4-Trimethyl-1-pentene	112	6.070	6.070 (1.044)	198825	400.000	470	
54 Trichloroethene	95	6.216	6.216 (1.069)	284728	200.000	200	
53 n-Butanol	41	6.186	6.186 (1.064)	149952	2500.00	2700	
56 Methyl cyclohexane	83	6.350	6.350 (1.092)	424510	200.000	210	
55 Ethyl Acrylate	55	6.362	6.362 (1.094)	858617	200.000	210	
57 1,2-Dichloropropane	63	6.527	6.521 (1.122)	313829	200.000	200	
58 Dibromomethane	93	6.648	6.648 (1.143)	190533	200.000	200	
60 1,4-Dioxane	88	6.642	6.642 (1.142)	9824	250.000	280	
59 Methyl Methacrylate	100	6.612	6.612 (1.137)	107989	200.000	200	

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69959.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.673	6.667	(1.147)	615360	400.000	400
68 Bromodichloromethane	83	6.801	6.800	(1.169)	412027	200.000	200
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111	(1.223)	207741	200.000	220
63 Epichlorohydrin	57	7.202	7.202	(0.825)	872098	4000.00	4000
67 cis-1,3-Dichloropropene	75	7.251	7.251	(0.831)	509617	200.000	200
70 4-Methyl-2-Pentanone	43	7.391	7.391	(0.847)	446562	200.000	200
\$ 65 Toluene-d8 (SUR)	98	7.458	7.457	(0.854)	464632	50.0000	49
66 Toluene	91	7.518	7.518	(0.861)	1247938	200.000	190
64 trans-1,3-Dichloropropene	75	7.786	7.786	(0.892)	492457	200.000	190
69 1,1,2-Trichloroethane	83	7.944	7.944	(0.910)	254797	200.000	200
71 Tetrachloroethene	166	7.981	7.981	(0.914)	330805	200.000	200
175 Ethyl methacrylate	69	7.810	7.810	(1.343)	483720	200.000	210
72 1,3-Dichloropropane	76	8.096	8.096	(0.928)	513652	200.000	190
73 2-Hexanone	43	8.139	8.139	(0.932)	315217	200.000	200
74 Dibromochloromethane	129	8.261	8.260	(0.946)	331983	200.000	200
76 Butyl Acetate	73	8.218	8.218	(0.941)	215164	400.000	400
77 1,2-Dibromoethane	107	8.370	8.370	(0.959)	312833	200.000	190
* 78 Chlorobenzene-d5	117	8.729	8.729	(1.000)	455386	50.0000	
79 Chlorobenzene	112	8.747	8.747	(1.002)	851332	200.000	200
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820	(1.010)	324252	200.000	200
81 Ethylbenzene	106	8.808	8.808	(1.009)	464768	200.000	210
82 m+p-Xylene	106	8.905	8.905	(1.020)	1145046	400.000	400
84 o-Xylene	106	9.222	9.222	(1.056)	572013	200.000	200
85 Styrene	104	9.240	9.240	(1.059)	993122	200.000	200
83 Butyl Acrylate	73	9.185	9.185	(1.052)	279371	200.000	210
86 Bromoform	173	9.410	9.410	(1.078)	268257	200.000	210
87 Amyl Acetate	43	9.356	9.356	(0.892)	441439	200.000	200
88 Isopropylbenzene	105	9.489	9.489	(1.087)	1461940	200.000	200
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648	(0.920)	197106	50.0000	49
90 Camphene (total)	41	9.666	9.666	(1.107)	137457	200.000	210
91 Bromobenzene	156	9.757	9.757	(0.930)	407112	200.000	200
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769	(0.932)	428359	200.000	190
93 1,2,3-Trichloropropene	110	9.812	9.812	(0.936)	138832	200.000	190
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818	(0.936)	149856	200.000	190
95 n-Propylbenzene	91	9.800	9.794	(0.934)	1742270	200.000	200
96 2-Chlorotoluene	91	9.885	9.885	(0.943)	1156372	200.000	200
97 1,3,5-Trimethylbenzene	105	9.927	9.927	(0.947)	1204869	200.000	200
98 4-Chlorotoluene	91	9.970	9.970	(0.951)	1051656	200.000	200
99 Butyl Methacrylate	87	9.982	9.982	(0.952)	460300	200.000	200
184 4-Ethyltoluene	105	9.927	9.927	(1.707)	1204869	200.000	210
100 tert-Butylbenzene	119	10.159	10.159	(0.969)	1058334	200.000	200
101 1,2,4-Trimethylbenzene	105	10.207	10.201	(0.973)	1223538	200.000	200
103 sec-Butylbenzene	105	10.317	10.317	(0.984)	1560274	200.000	200
105 1,3-Dichlorobenzene	146	10.432	10.432	(0.995)	719684	200.000	190
107 p-Isopropyltoluene	119	10.414	10.414	(0.993)	1334581	200.000	200
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	245515	50.0000	
109 1,4-Dichlorobenzene	146	10.505	10.505	(1.002)	733357	200.000	190

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69959.d  
Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====
110 Benzyl Chloride	91	10.603	10.603	(1.011)	903485	200.000	200
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)	876095	200.000	220
106 n-Butylbenzene	91	10.706	10.706	(1.021)	1518261	200.000	200
171 Indan	117	10.657	10.657	(1.833)	1327595	200.000	200
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)	706837	200.000	200
182 1,2,4,5-Tetramethylbenzene	119	11.242	11.241	(1.933)	1220276	200.000	210
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)	97404	200.000	180
114 1,2,4-Trichlorobenzene	180	11.972	11.971	(1.142)	474545	200.000	190
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)	286375	200.000	200
116 Naphthalene	128	12.209	12.209	(1.164)	1218403	200.000	220
117 1,2,3-Trichlorobenzene	180	12.440	12.440	(1.186)	412162	200.000	220
M 120 1,2-Dichloroethene (Total)	100				525207	400.000	390
M 121 Xylene (Total)	100				1717059	600.000	600

#### QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.  
M - Compound response manually integrated.

Data File: c69959.d

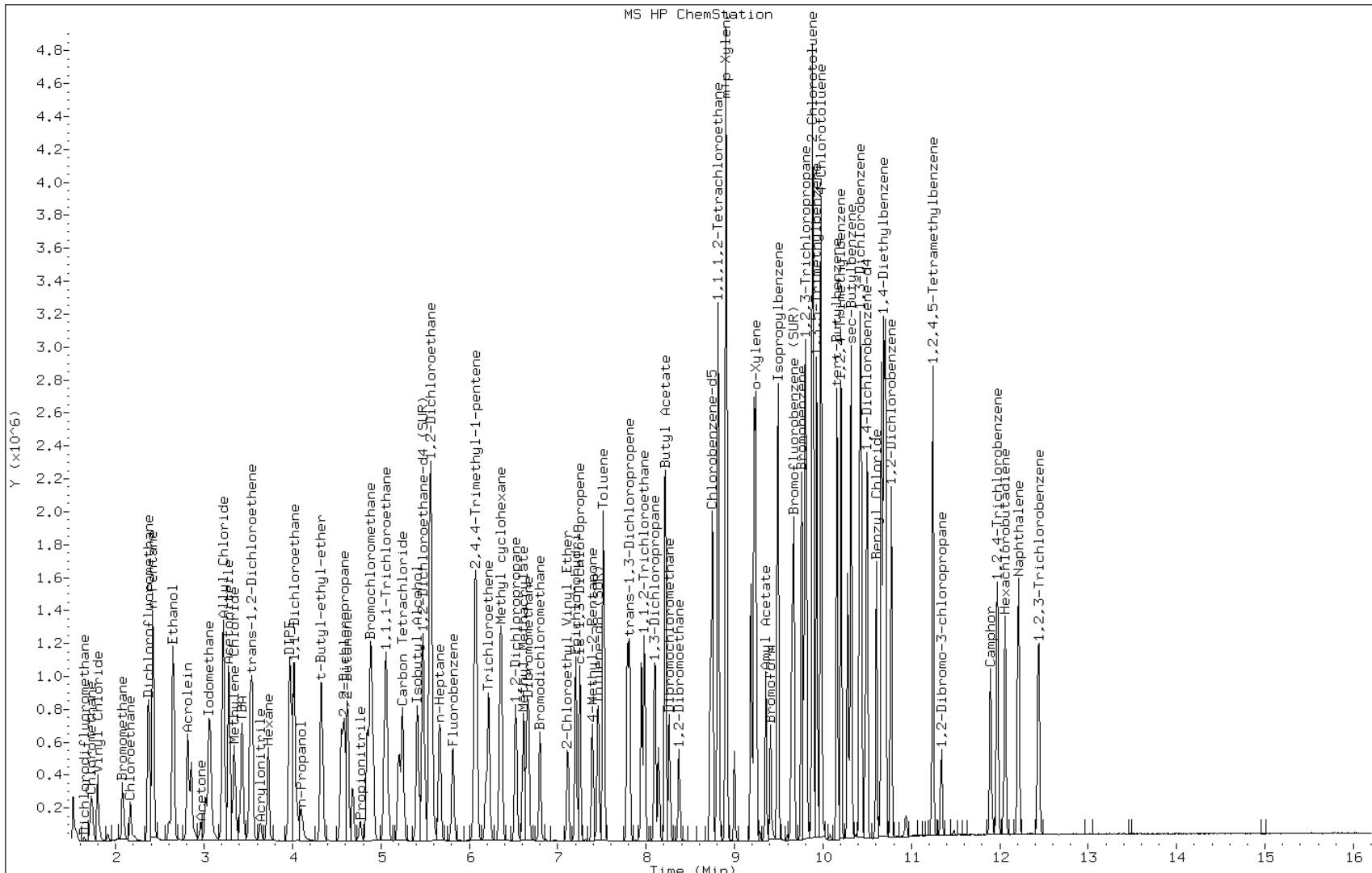
Date: 14-AUG-2012 09:34

Client ID:

Instrument: VOAMS3.i

Sample Info: IC-VCAL5

## Operator:



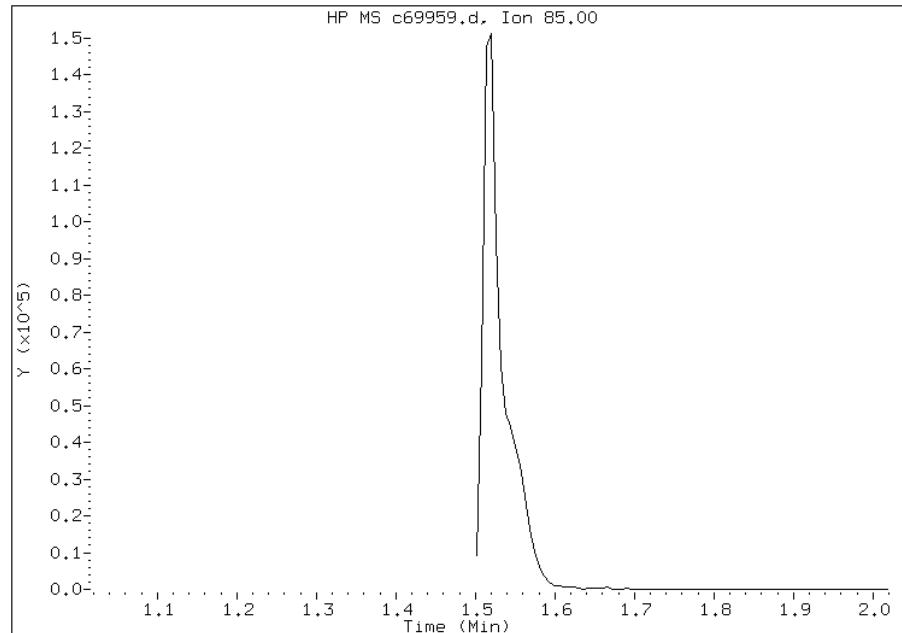
## Manual Integration Report

Data File: c69959.d  
Inj. Date and Time: 14-AUG-2012 09:34  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



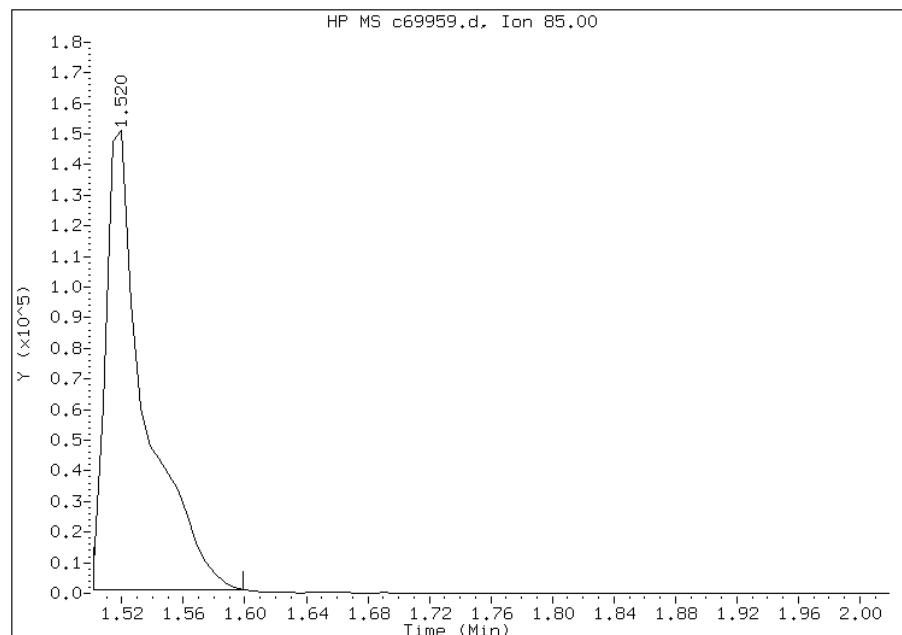
### Manual Integration Results

RT: 1.52

Response: 268454

Amount: 193

Conc: 193



Manually Integrated By: vibha

Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69960.d  
Report Date: 15-Aug-2012 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69960.d  
Lab Smp Id: IC-VCAL6  
Inj Date : 14-AUG-2012 09:57  
Operator : Inst ID: VOAMS3.i  
Smp Info : IC-VCAL6  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:26 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 09:57 Cal File: c69960.d  
Als bottle: 9 Calibration Sample, Level: 6  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.514	1.520	(0.260)	727067	500.000	450(M)
3 Chloromethane	50	1.727	1.727	(0.297)	1084949	500.000	470
4 Vinyl Chloride	62	1.794	1.794	(0.308)	964298	500.000	470
6 Bromomethane	94	2.074	2.080	(0.357)	569334	500.000	500(A)
5 Chloroethane	64	2.165	2.165	(0.372)	577658	500.000	510(A)
180 Dichlorofluoromethane	67	2.366	2.372	(0.407)	1340058	500.000	470
7 Trichlorofluoromethane	101	2.372	2.372	(0.408)	1239848	500.000	490
8 n-Pentane	72	2.420	2.420	(0.416)	217714	1000.00	1200(A)
9 Ethanol	46	2.603	2.603	(0.448)	107068	6000.00	7000(A)
10 Isoprene	67	2.652	2.658	(0.456)	944058	500.000	540(A)
11 Ethyl Ether	59	2.639	2.639	(0.454)	650199	500.000	500
13 Acrolein	56	2.822	2.822	(0.485)	136646	400.000	410
15 1,1-Dichloroethene	96	2.858	2.852	(0.492)	551337	500.000	530(A)
14 Freon TF	101	2.816	2.816	(0.484)	690329	500.000	530(A)
16 Acetone	43	2.962	2.962	(0.509)	362766	500.000	500
17 Iodomethane	142	3.017	3.023	(0.519)	926962	500.000	500

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69960.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)	1336290	500.000	520(A)	
20 Allyl Chloride	76	3.205	3.205 (0.551)	375144	500.000	520(A)	
21 Acetonitrile	39	3.284	3.278 (0.565)	738157	10000.0	10000(A)	
170 Cyclopentene	67	3.223	3.217 (0.554)	1613521	500.000	540(A)	
27 Methyl Acetate	43	3.223	3.223 (0.554)	1108123	500.000	500	
22 Methylene Chloride	84	3.345	3.339 (0.575)	699349	500.000	500	
24 TBA	59	3.430	3.424 (0.590)	2534120	10000.0	10000	
25 trans-1,2-Dichloroethene	96	3.552	3.546 (0.611)	663728	500.000	490	
26 Acrylonitrile	53	3.637	3.637 (0.625)	169762	200.000	200	
28 MTBE	73	3.528	3.527 (0.607)	2406348	500.000	470	
29 Hexane	56	3.722	3.722 (0.640)	391776	500.000	530(A)	
30 1,1-Dichloroethane	63	3.996	3.990 (0.687)	1380688	500.000	470	
31 Vinyl Acetate	43	4.020	4.020 (0.691)	3573736	1000.00	1000(A)	
32 DIPE	45	3.972	3.965 (0.683)	2763145	500.000	470	
33 Allyl Alcohol	57	4.051	4.045 (0.697)	376009	6000.00	6200(A)	
34 n-Propanol	60	4.106	4.099 (0.706)	73137	6000.00	6300(A)	
35 t-Butyl-ethyl-ether	59	4.331	4.324 (0.745)	2608592	500.000	470	
37 2,2-Dichloropropane	77	4.556	4.556 (0.783)	1194421	500.000	460	
36 cis-1,2-Dichloroethene	96	4.586	4.580 (0.789)	845138	500.000	490	
38 2-Butanone	72	4.617	4.610 (0.794)	149009	500.000	460	
39 Ethyl Acetate	70	4.623	4.616 (0.795)	234888	1000.00	1000	
40 Bromochloromethane	128	4.848	4.842 (0.834)	395410	500.000	440	
41 Tetrahydrofuran	42	4.848	4.842 (0.834)	429894	500.000	440	
42 Chloroform	83	4.909	4.908 (0.844)	1384854	500.000	480	
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.871)	1205598	500.000	490	
44 Cyclohexane	56	5.048	5.048 (0.868)	1186523	500.000	500	
45 Carbon Tetrachloride	117	5.207	5.200 (0.895)	1033135	500.000	500(A)	
46 1,1-Dichloropropene	75	5.249	5.243 (0.903)	1105688	500.000	510(A)	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.499	5.492 (0.946)	174219	50.0000	48	
48 Benzene	78	5.474	5.474 (0.627)	3048065	500.000	470	
173 Propionitrile	54	4.769	4.762 (0.820)	369978	1000.00	1000	
49 1,2-Dichloroethane	62	5.584	5.584 (0.960)	1107298	500.000	440	
181 Isobutyl Alcohol	43	5.414	5.407 (0.931)	825748	6000.00	6100(A)	
174 Methacrylonitrile	67	4.884	4.884 (0.840)	920129	500.000	480	
51 n-Heptane	57	5.669	5.663 (0.975)	478229	500.000	490	
50 t-Amyl-methyl-ether	73	5.560	5.559 (0.956)	2462211	500.000	480	
61 Isopropyl Acetate	43	5.560	5.559 (0.956)	4906945	1000.00	900	
* 52 Fluorobenzene	96	5.815	5.815 (1.000)	634646	50.0000		
166 2,4,4-Trimethyl-1-pentene	112	6.071	6.070 (1.044)	544900	1000.00	1100(A)	
54 Trichloroethene	95	6.223	6.216 (1.070)	794625	500.000	480	
53 n-Butanol	41	6.192	6.186 (1.065)	208244	3000.00	3200(A)	
56 Methyl cyclohexane	83	6.350	6.350 (1.092)	1176115	500.000	500	
55 Ethyl Acrylate	55	6.363	6.362 (1.094)	2374963	500.000	500(A)	
57 1,2-Dichloropropane	63	6.527	6.521 (1.122)	867390	500.000	480	
58 Dibromomethane	93	6.655	6.648 (1.144)	494008	500.000	440	
60 1,4-Dioxane	88	6.655	6.642 (1.144)	13818	300.000	340(A)	
59 Methyl Methacrylate	100	6.618	6.612 (1.138)	298434	500.000	480	

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69960.d  
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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.673	6.667	(1.147)	1702896	1000.00	940
68 Bromodichloromethane	83	6.801	6.800	(1.169)	1126412	500.000	480
62 2-Chloroethyl Vinyl Ether	63	7.117	7.111	(1.224)	600081	500.000	540(A)
63 Epichlorohydrin	57	7.208	7.202	(0.826)	2356915	10000.0	9700
67 cis-1,3-Dichloropropene	75	7.251	7.251	(0.831)	1411523	500.000	490
70 4-Methyl-2-Pentanone	43	7.397	7.391	(0.847)	1219757	500.000	500(A)
\$ 65 Toluene-d8 (SUR)	98	7.458	7.457	(0.854)	532130	50.0000	51
66 Toluene	91	7.518	7.518	(0.861)	3318986	500.000	450
64 trans-1,3-Dichloropropene	75	7.786	7.786	(0.892)	1329771	500.000	460
69 1,1,2-Trichloroethane	83	7.950	7.944	(0.911)	686308	500.000	480
71 Tetrachloroethene	166	7.981	7.981	(0.914)	898573	500.000	480
175 Ethyl methacrylate	69	7.810	7.810	(1.343)	1317420	500.000	500
72 1,3-Dichloropropane	76	8.102	8.096	(0.928)	1377647	500.000	460
73 2-Hexanone	43	8.145	8.139	(0.933)	858395	500.000	490
74 Dibromochloromethane	129	8.261	8.260	(0.946)	902443	500.000	500(A)
76 Butyl Acetate	73	8.218	8.218	(0.941)	585269	1000.00	990
77 1,2-Dibromoethane	107	8.370	8.370	(0.959)	839036	500.000	460
* 78 Chlorobenzene-d5	117	8.729	8.729	(1.000)	504603	50.0000	
79 Chlorobenzene	112	8.753	8.747	(1.003)	2245535	500.000	470
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820	(1.010)	870218	500.000	490
81 Ethylbenzene	106	8.808	8.808	(1.009)	1254065	500.000	500(A)
82 m+p-Xylene	106	8.905	8.905	(1.020)	3003914	1000.00	940
84 o-Xylene	106	9.222	9.222	(1.056)	1496106	500.000	470
85 Styrene	104	9.240	9.240	(1.059)	2599418	500.000	480
83 Butyl Acrylate	73	9.185	9.185	(1.052)	766654	500.000	520(A)
86 Bromoform	173	9.410	9.410	(1.078)	730004	500.000	520(A)
87 Amyl Acetate	43	9.356	9.356	(0.892)	1225851	500.000	490
88 Isopropylbenzene	105	9.489	9.489	(1.087)	3686646	500.000	470
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648	(0.920)	216533	50.0000	47
90 Camphene (total)	41	9.666	9.666	(1.107)	359229	500.000	500
91 Bromobenzene	156	9.757	9.757	(0.930)	1053281	500.000	440
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769	(0.932)	1197969	500.000	460
93 1,2,3-Trichloropropene	110	9.812	9.812	(0.936)	375441	500.000	440
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818	(0.936)	420124	500.000	460
95 n-Propylbenzene	91	9.800	9.794	(0.934)	4432021	500.000	440
96 2-Chlorotoluene	91	9.891	9.885	(0.943)	3040008	500.000	450
97 1,3,5-Trimethylbenzene	105	9.928	9.927	(0.947)	3166895	500.000	460
98 4-Chlorotoluene	91	9.976	9.970	(0.951)	2754318	500.000	440
99 Butyl Methacrylate	87	9.982	9.982	(0.952)	1329705	500.000	510(A)
184 4-Ethyltoluene	105	9.928	9.927	(1.707)	3166895	500.000	470
100 tert-Butylbenzene	119	10.159	10.159	(0.969)	2846501	500.000	470
101 1,2,4-Trimethylbenzene	105	10.207	10.201	(0.973)	3274358	500.000	460
103 sec-Butylbenzene	105	10.317	10.317	(0.984)	4118115	500.000	460
105 1,3-Dichlorobenzene	146	10.439	10.432	(0.995)	2004910	500.000	470
107 p-Isopropyltoluene	119	10.420	10.414	(0.994)	3606093	500.000	480
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	283799	50.0000	
109 1,4-Dichlorobenzene	146	10.505	10.505	(1.002)	2029674	500.000	450

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Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====
110 Benzyl Chloride	91	10.609	10.603	(1.012)	2437900	500.000	480
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)	2323349	500.000	500
106 n-Butylbenzene	91	10.706	10.706	(1.021)	4039054	500.000	470
171 Indan	117	10.664	10.657	(1.834)	3574339	500.000	480
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)	1897983	500.000	460
182 1,2,4,5-Tetramethylbenzene	119	11.242	11.241	(1.933)	3134577	500.000	470
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)	256641	500.000	410
114 1,2,4-Trichlorobenzene	180	11.972	11.971	(1.142)	1253741	500.000	440
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)	777999	500.000	480
116 Naphthalene	128	12.209	12.209	(1.164)	3190842	500.000	490
117 1,2,3-Trichlorobenzene	180	12.440	12.440	(1.186)	1085844	500.000	490
M 120 1,2-Dichloroethene (Total)	100				1508866	1000.00	980
M 121 Xylene (Total)	100				4500020	1500.00	1400

#### QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.  
M - Compound response manually integrated.

Data File: c69960.d

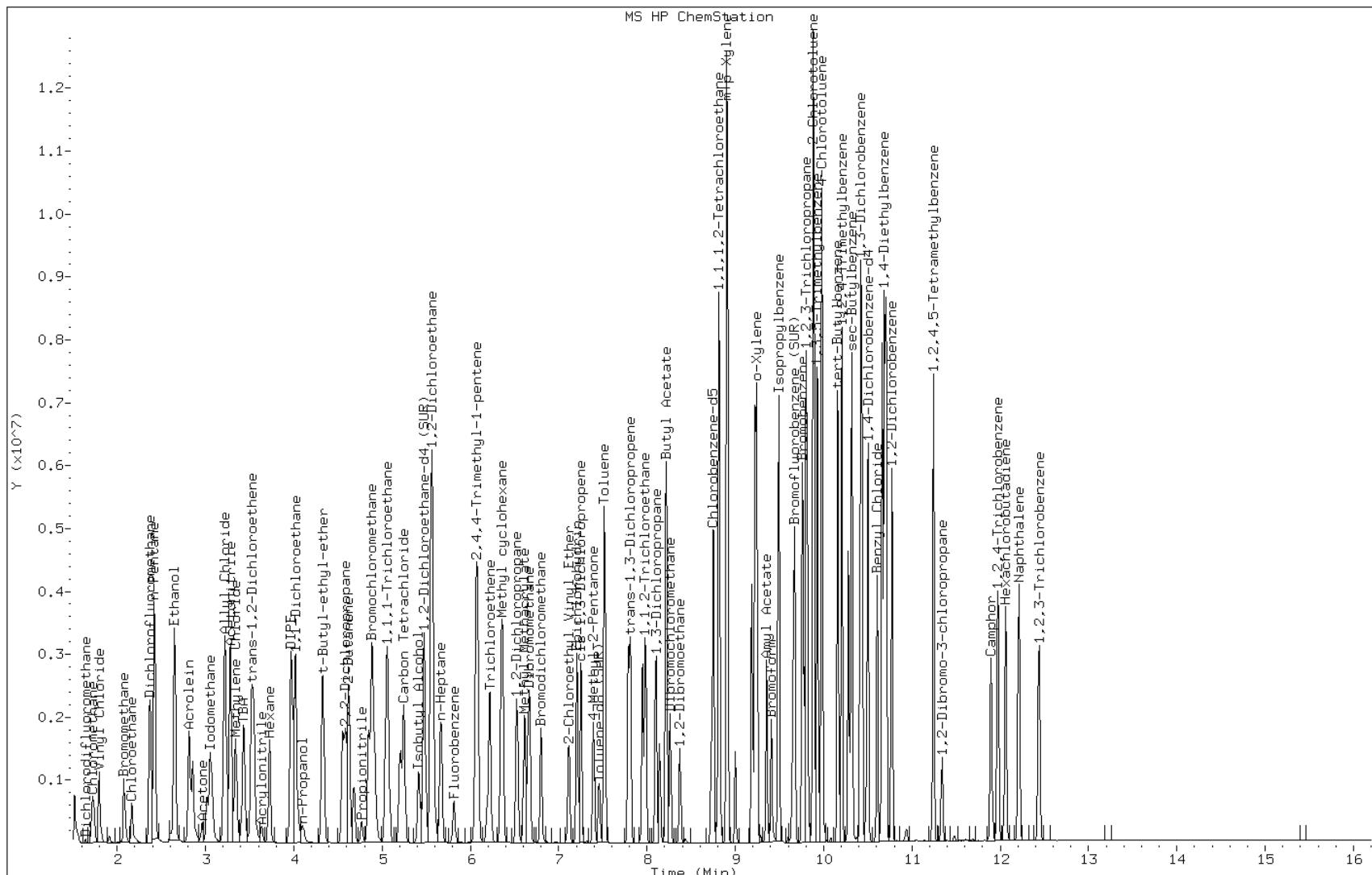
Date: 14-AUG-2012 09:57

Client ID:

Instrument: VOAMS3.i

Sample Info: IC-VCAL6

### Operator:



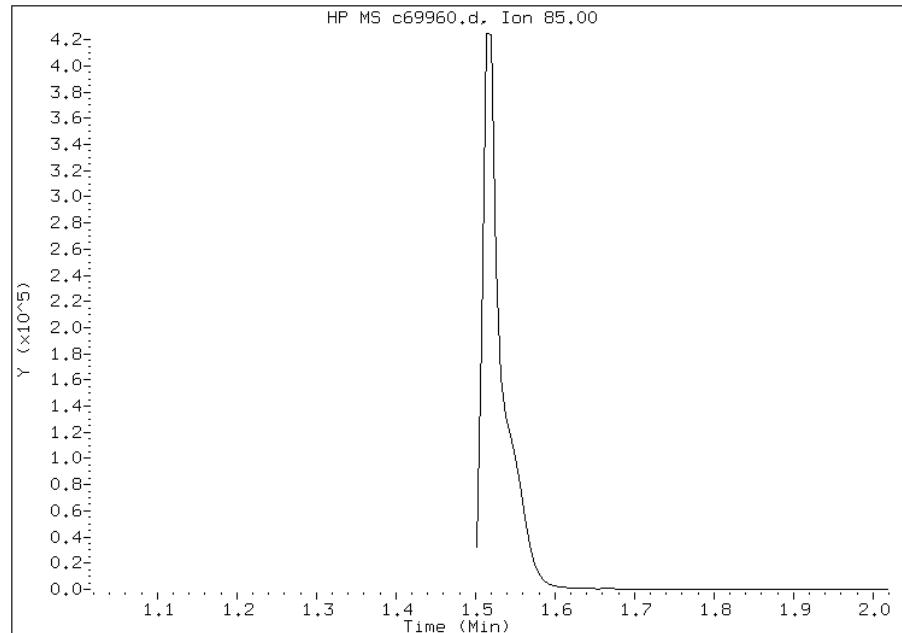
## Manual Integration Report

Data File: c69960.d  
Inj. Date and Time: 14-AUG-2012 09:57  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



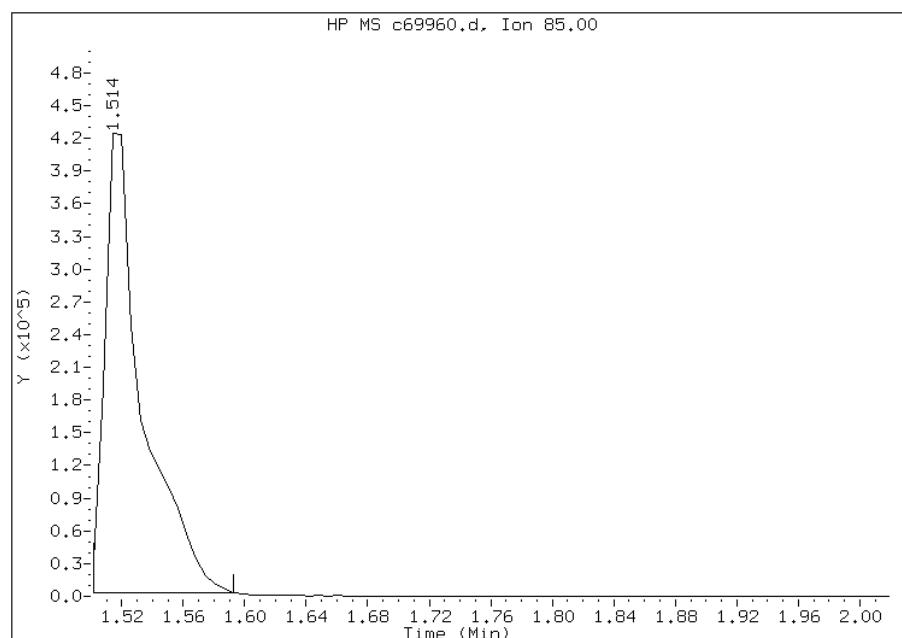
### Manual Integration Results

RT: 1.51

Response: 727067

Amount: 451

Conc: 451



Manually Integrated By: vibha

Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69970.d  
Report Date: 15-Aug-2012 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69970.d  
Lab Smp Id: IC-VCAL1  
Inj Date : 14-AUG-2012 15:41  
Operator : Inst ID: VOAMS3.i  
Smp Info : IC-VCAL1  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:26 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 15:41 Cal File: c69970.d  
Als bottle: 19 Calibration Sample, Level: 1  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520	(0.261)		1843	1.00000
3 Chloromethane	50	1.721	1.727	(0.296)		2700	1.00000
4 Vinyl Chloride	62	1.794	1.794	(0.308)		2331	1.00000
6 Bromomethane	94	2.074	2.080	(0.357)		1803	1.00000
5 Chloroethane	64	2.171	2.165	(0.373)		1326	1.00000
180 Dichlorofluoromethane	67	2.366	2.372	(0.407)		3424	1.00000
7 Trichlorofluoromethane	101	2.378	2.372	(0.409)		2489	1.00000
8 n-Pentane	72	2.420	2.420	(0.416)		302	2.00000
9 Ethanol	46	2.597	2.603	(0.447)		16756	1000.00
10 Isoprene	67	2.658	2.658	(0.457)		1568	1.00000
11 Ethyl Ether	59	2.639	2.639	(0.454)		1480	1.00000
13 Acrolein	56	2.822	2.822	(0.485)		1426	4.00000
15 1,1-Dichloroethene	96	2.846	2.852	(0.489)		875	1.00000
14 Freon TF	101	2.816	2.816	(0.484)		1317	1.00000
16 Acetone	43	2.956	2.962	(0.508)		7377	5.00000
17 Iodomethane	142	3.017	3.023	(0.519)		827	1.00000

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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
18 Carbon Disulfide	76	3.047	3.053	(0.524)	2767	1.00000	1.1
20 Allyl Chloride	76	3.199	3.205	(0.550)	776	1.00000	1.0
21 Acetonitrile	39	3.278	3.278	(0.564)	1882	20.0000	26
170 Cyclopentene	67	3.223	3.217	(0.554)	2872	1.00000	0.94(a)
27 Methyl Acetate	43	3.223	3.223	(0.554)	2458	1.00000	1.1
22 Methylene Chloride	84	3.345	3.339	(0.575)	2118	1.00000	1.5
24 TBA	59	3.418	3.424	(0.588)	8780	20.0000	34
25 trans-1,2-Dichloroethene	96	3.546	3.546	(0.610)	1427	1.00000	1.0
26 Acrylonitrile	53	3.631	3.637	(0.624)	1902	2.00000	2.2
28 MTBE	73	3.528	3.527	(0.607)	5980	1.00000	1.2
29 Hexane	56	3.716	3.722	(0.639)	654	1.00000	0.88(a)
30 1,1-Dichloroethane	63	3.996	3.990	(0.687)	3378	1.00000	1.1
31 Vinyl Acetate	43	4.020	4.020	(0.691)	7708	2.00000	2.2
32 DIPE	45	3.972	3.965	(0.683)	6833	1.00000	1.1
33 Allyl Alcohol	57	4.033	4.045	(0.693)	70808	1000.00	1200
34 n-Propanol	60	4.087	4.099	(0.703)	13408	1000.00	1100
35 t-Butyl-ethyl-ether	59	4.319	4.324	(0.743)	6421	1.00000	1.1
37 2,2-Dichloropropane	77	4.544	4.556	(0.781)	2766	1.00000	1.0
36 cis-1,2-Dichloroethene	96	4.574	4.580	(0.787)	1923	1.00000	1.1
38 2-Butanone	72	4.611	4.610	(0.793)	2113	5.00000	6.5
39 Ethyl Acetate	70	4.623	4.616	(0.795)	686	2.00000	2.9
40 Bromochloromethane	128	4.848	4.842	(0.834)	1112	1.00000	1.2
41 Tetrahydrofuran	42	4.848	4.842	(0.834)	1676	1.00000	1.7
42 Chloroform	83	4.909	4.908	(0.844)	2928	1.00000	1.00
43 1,1,1-Trichloroethane	97	5.073	5.067	(0.872)	2222	1.00000	0.89(a)
44 Cyclohexane	56	5.049	5.048	(0.868)	1754	1.00000	0.73(a)
45 Carbon Tetrachloride	117	5.201	5.200	(0.894)	1832	1.00000	0.88(a)
46 1,1-Dichloropropene	75	5.237	5.243	(0.901)	2231	1.00000	0.97(aM)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.492	(0.945)	184850	50.0000	51
48 Benzene	78	5.468	5.474	(0.627)	7047	1.00000	1.1
173 Propionitrile	54	4.763	4.762	(0.819)	1108	2.00000	3.0(a)
49 1,2-Dichloroethane	62	5.584	5.584	(0.960)	3061	1.00000	1.2
181 Isobutyl Alcohol	43	5.401	5.407	(0.929)	148987	1000.00	1100
174 Methacrylonitrile	67	4.878	4.884	(0.839)	2166	1.00000	1.1(a)
51 n-Heptane	57	5.657	5.663	(0.973)	711	1.00000	0.73(a)
50 t-Amyl-methyl-ether	73	5.560	5.559	(0.956)	5109	1.00000	1.00
61 Isopropyl Acetate	43	5.553	5.559	(0.955)	12957	2.00000	2.4
* 52 Fluorobenzene	96	5.815	5.815	(1.000)	641522	50.0000	
166 2,4,4-Trimethyl-1-pentene	112	6.071	6.070	(1.044)	723	2.00000	1.5(a)
54 Trichloroethene	95	6.223	6.216	(1.070)	1798	1.00000	1.1
53 n-Butanol	41	6.180	6.186	(1.063)	34980	500.000	540
56 Methyl cyclohexane	83	6.350	6.350	(1.092)	1692	1.00000	0.71(a)
55 Ethyl Acrylate	55	6.363	6.362	(1.094)	4717	1.00000	0.99(a)
57 1,2-Dichloropropane	63	6.533	6.521	(1.123)	1913	1.00000	1.0
58 Dibromomethane	93	6.642	6.648	(1.142)	1462	1.00000	1.3
60 1,4-Dioxane	88	6.642	6.642	(1.142)	2133	50.0000	52
59 Methyl Methacrylate	100	6.606	6.612	(1.136)	776	1.00000	1.2

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Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.667	6.667 (1.146)		4266	2.00000	2.3
68 Bromodichloromethane	83	6.801	6.800 (1.169)		2531	1.00000	1.1
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111 (1.223)		1107	1.00000	0.98(a)
63 Epichlorohydrin	57	7.202	7.202 (0.826)		5777	20.0000	24
67 cis-1,3-Dichloropropene	75	7.245	7.251 (0.831)		3007	1.00000	1.0
70 4-Methyl-2-Pentanone	43	7.391	7.391 (0.847)		12723	5.00000	5.2
\$ 65 Toluene-d8 (SUR)	98	7.458	7.457 (0.855)		525256	50.0000	50
66 Toluene	91	7.518	7.518 (0.862)		8221	1.00000	1.1
64 trans-1,3-Dichloropropene	75	7.786	7.786 (0.893)		3525	1.00000	1.2
69 1,1,2-Trichloroethane	83	7.944	7.944 (0.911)		1545	1.00000	1.1
71 Tetrachloroethene	166	7.987	7.981 (0.916)		1797	1.00000	0.96(a)
175 Ethyl methacrylate	69	7.810	7.810 (1.343)		2892	1.00000	1.1
72 1,3-Dichloropropane	76	8.096	8.096 (0.928)		3525	1.00000	1.2
73 2-Hexanone	43	8.139	8.139 (0.933)		9533	5.00000	5.4
74 Dibromochloromethane	129	8.261	8.260 (0.947)		1814	1.00000	1.0
76 Butyl Acetate	73	8.218	8.218 (0.942)		1340	2.00000	2.3
77 1,2-Dibromoethane	107	8.370	8.370 (0.960)		2275	1.00000	1.2
* 78 Chlorobenzene-d5	117	8.723	8.729 (1.000)		506253	50.0000	
79 Chlorobenzene	112	8.747	8.747 (1.003)		5168	1.00000	1.1
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820 (1.011)		1724	1.00000	0.97(a)
81 Ethylbenzene	106	8.808	8.808 (1.010)		2200	1.00000	0.88(a)
82 m+p-Xylene	106	8.906	8.905 (1.021)		6462	2.00000	2.0
84 o-Xylene	106	9.222	9.222 (1.057)		3356	1.00000	1.0
85 Styrene	104	9.240	9.240 (1.059)		5343	1.00000	0.99(a)
83 Butyl Acrylate	73	9.185	9.185 (1.053)		1544	1.00000	1.0
86 Bromoform	173	9.410	9.410 (1.079)		1360	1.00000	0.97(a)
87 Amyl Acetate	43	9.356	9.356 (0.892)		2674	1.00000	1.1
88 Isopropylbenzene	105	9.490	9.489 (1.088)		7285	1.00000	0.92(a)
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		218911	50.0000	51
90 Camphene (total)	41	9.666	9.666 (1.108)		760	1.00000	1.0
91 Bromobenzene	156	9.757	9.757 (0.930)		2388	1.00000	1.1
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769 (0.932)		2976	1.00000	1.2
93 1,2,3-Trichloropropene	110	9.812	9.812 (0.936)		981	1.00000	1.2
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818 (0.936)		1095	1.00000	1.3
95 n-Propylbenzene	91	9.794	9.794 (0.934)		9007	1.00000	0.97(a)
96 2-Chlorotoluene	91	9.885	9.885 (0.943)		6508	1.00000	1.0
97 1,3,5-Trimethylbenzene	105	9.934	9.927 (0.947)		6317	1.00000	0.98(a)
98 4-Chlorotoluene	91	9.970	9.970 (0.951)		6227	1.00000	1.1
99 Butyl Methacrylate	87	9.982	9.982 (0.952)		2565	1.00000	1.1
184 4-Ethyltoluene	105	9.934	9.927 (1.708)		6317	1.00000	0.93(a)
100 tert-Butylbenzene	119	10.159	10.159 (0.969)		5516	1.00000	0.97(a)
101 1,2,4-Trimethylbenzene	105	10.207	10.201 (0.973)		6695	1.00000	1.0
103 sec-Butylbenzene	105	10.317	10.317 (0.984)		7624	1.00000	0.92(a)
105 1,3-Dichlorobenzene	146	10.439	10.432 (0.995)		4092	1.00000	1.0
107 p-Isopropyltoluene	119	10.420	10.414 (0.994)		6120	1.00000	0.87(a)
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487 (1.000)		264512	50.0000	
109 1,4-Dichlorobenzene	146	10.505	10.505 (1.002)		4880	1.00000	1.2

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69970.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
110 Benzyl Chloride	91	10.609	10.603	(1.012)		5327	1.00000
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)		4181	1.00000
106 n-Butylbenzene	91	10.706	10.706	(1.021)		7220	1.00000
171 Indan	117	10.658	10.657	(1.833)		7894	1.00000
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)		4271	1.00000
182 1,2,4,5-Tetramethylbenzene	119	11.242	11.241	(1.933)		7127	1.00000
112 1,2-Dibromo-3-chloropropane	75	11.333	11.339	(1.081)		690	1.00000
114 1,2,4-Trichlorobenzene	180	11.966	11.971	(1.141)		3207	1.00000
115 Hexachlorobutadiene	225	12.057	12.063	(1.150)		1345	1.00000
116 Naphthalene	128	12.209	12.209	(1.164)		11793	1.00000
117 1,2,3-Trichlorobenzene	180	12.440	12.440	(1.186)		3186	1.00000
M 120 1,2-Dichloroethene (Total)	100					3350	2.00000
M 121 Xylene (Total)	100					9818	3.00000

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: c69970.d

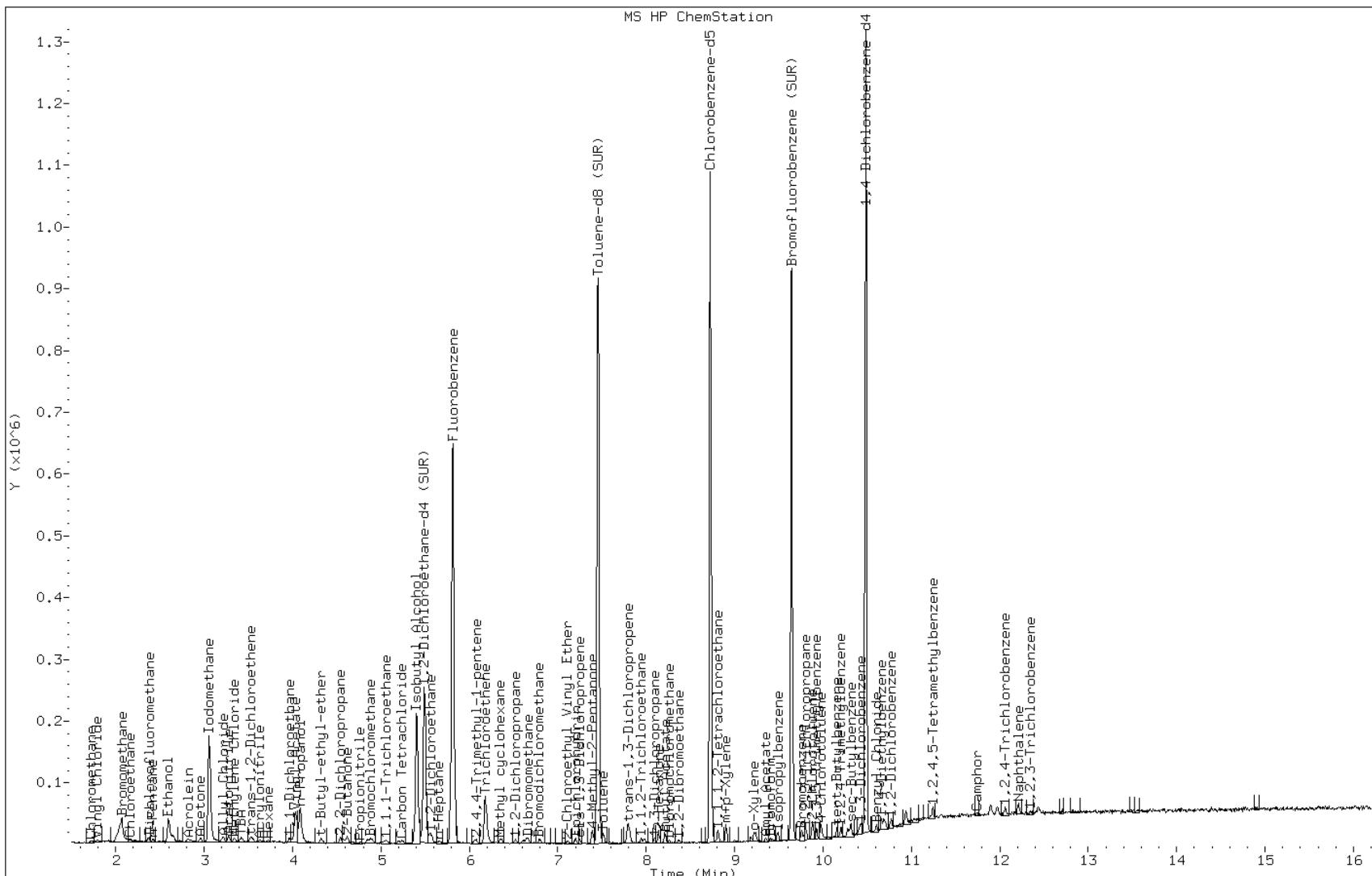
Date: 14-AUG-2012 15:41

Client ID:

Instrument: VOAMS3.i

Sample Info: IC-VCALL

### Operator:



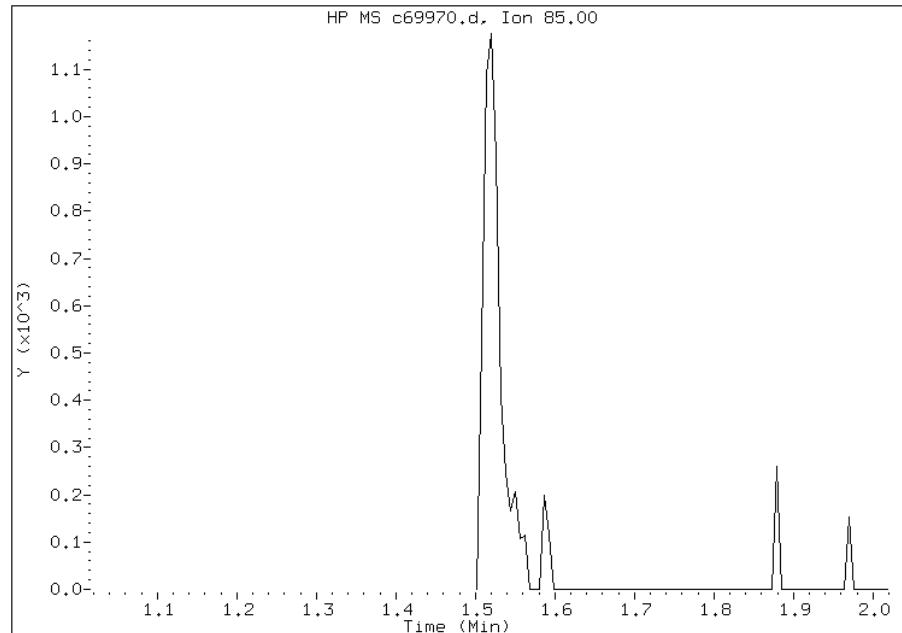
## Manual Integration Report

Data File: c69970.d  
Inj. Date and Time: 14-AUG-2012 15:41  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



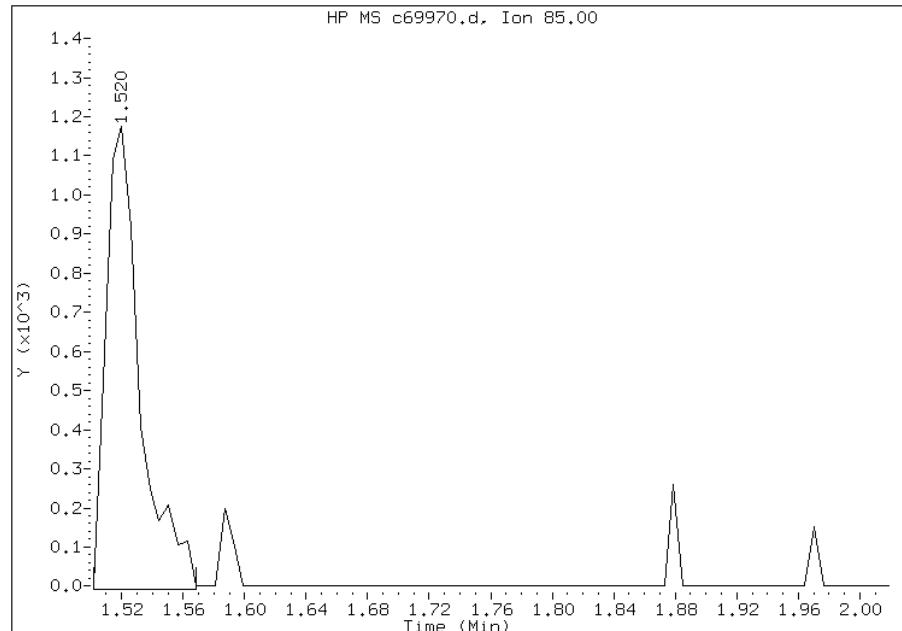
### Manual Integration Results

RT: 1.52

Response: 1843

Amount: 1

Conc: 1



Manually Integrated By: vibha

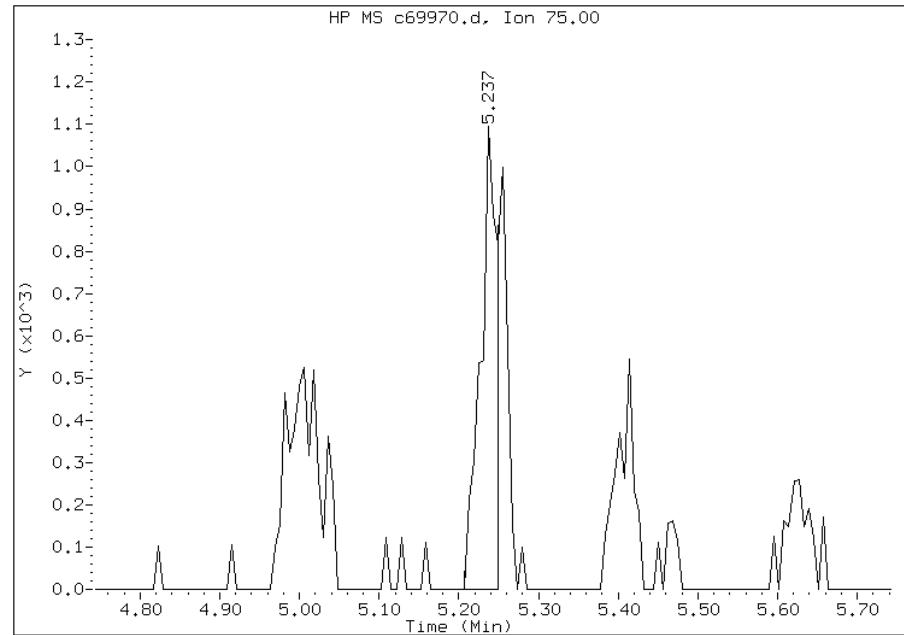
Manual Integration Reason: Analyte not Identified by the Data System

## Manual Integration Report

Data File: c69970.d  
Inj. Date and Time: 14-AUG-2012 15:41  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 46 1,1-Dichloropropene  
CAS #: 563-58-6  
Report Date: 08/15/2012

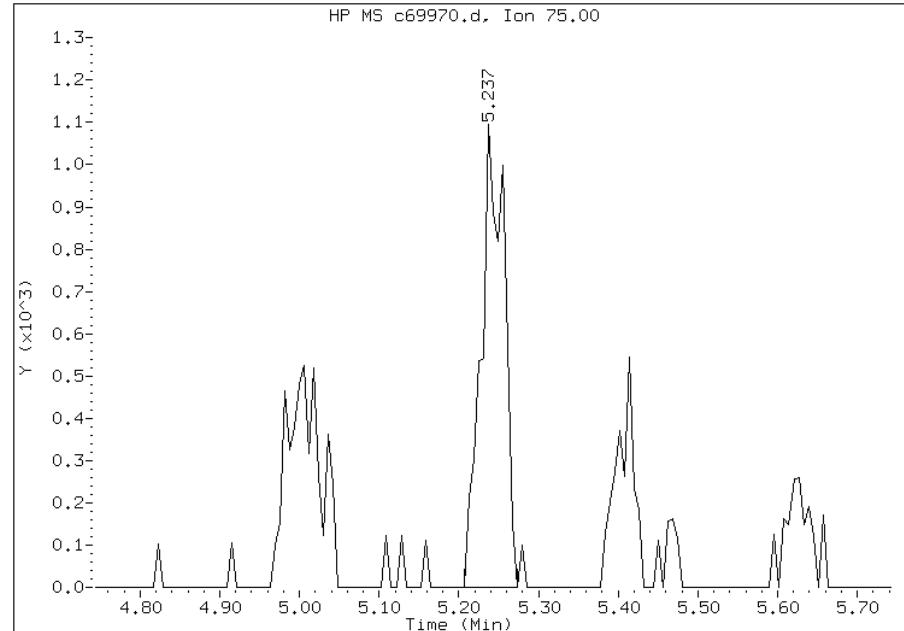
### Processing Integration Results

RT: 5.24  
Response: 1602  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 5.24  
Response: 2231  
Amount: 1  
Conc: 1



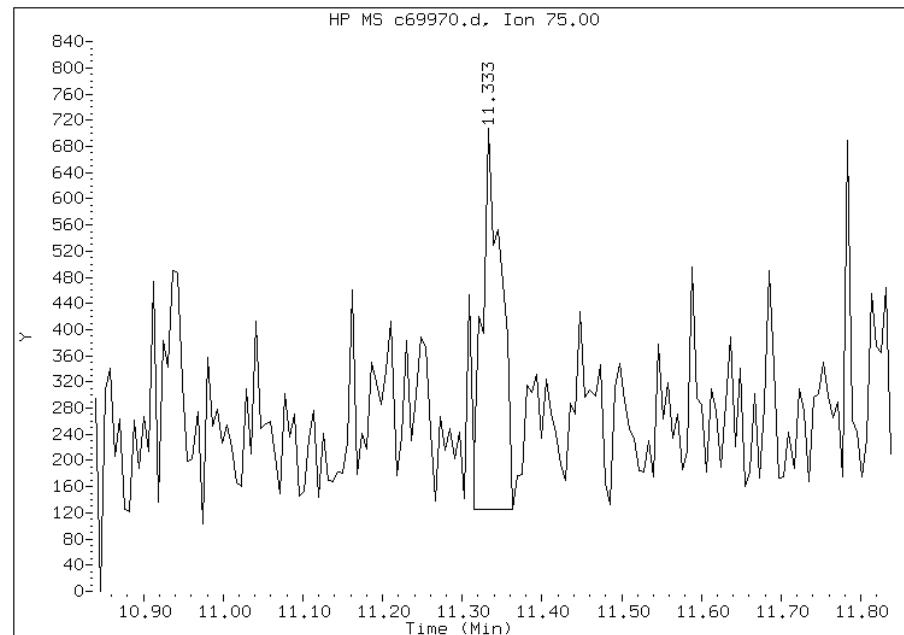
Manually Integrated By: vibha  
Manual Integration Reason: Split Peak

## Manual Integration Report

Data File: c69970.d  
Inj. Date and Time: 14-AUG-2012 15:41  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 112 1,2-Dibromo-3-chloropropane  
CAS #: 96-12-8  
Report Date: 08/15/2012

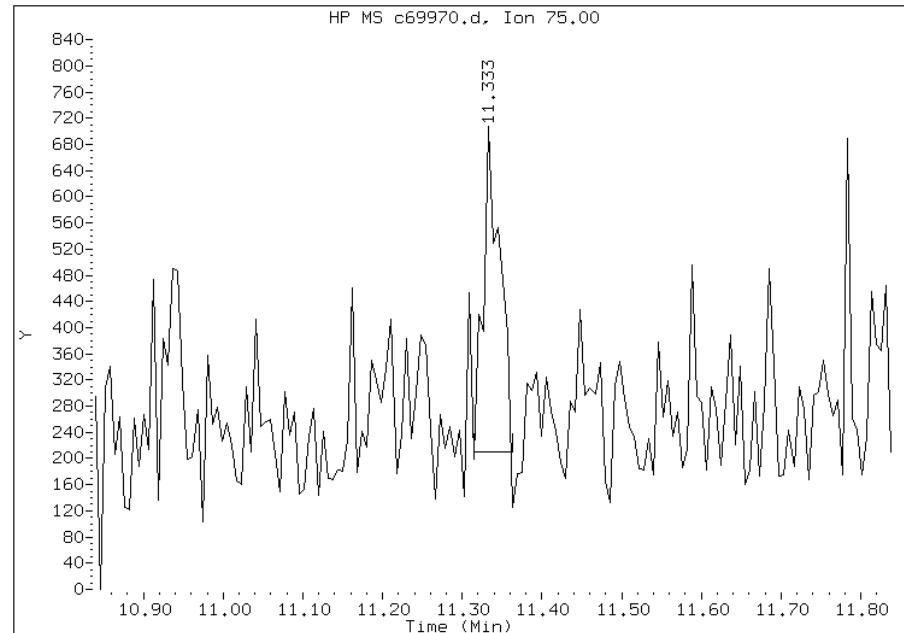
### Processing Integration Results

RT: 11.33  
Response: 973  
Amount: 2  
Conc: 2



### Manual Integration Results

RT: 11.33  
Response: 690  
Amount: 1  
Conc: 1



Manually Integrated By: vibha

Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69971.d  
Report Date: 15-Aug-2012 11:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69971.d  
Lab Smp Id: IC-VCAL2  
Inj Date : 14-AUG-2012 16:08  
Operator : Inst ID: VOAMS3.i  
Smp Info : IC-VCAL2  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:26 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 20 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.262)			8612	5.00000	5.2(M)
3 Chloromethane	50	1.721	1.727 (0.296)			13033	5.00000	5.5
4 Vinyl Chloride	62	1.794	1.794 (0.309)			11742	5.00000	5.6
6 Bromomethane	94	2.080	2.080 (0.358)			6040	5.00000	5.2
5 Chloroethane	64	2.177	2.165 (0.375)			6114	5.00000	5.3
180 Dichlorofluoromethane	67	2.372	2.372 (0.408)			14053	5.00000	4.8
7 Trichlorofluoromethane	101	2.378	2.372 (0.409)			13710	5.00000	5.3
8 n-Pentane	72	2.420	2.420 (0.417)			1055	10.0000	5.6
9 Ethanol	46	2.597	2.603 (0.447)			25948	2000.00	1600
10 Isoprene	67	2.658	2.658 (0.458)			7826	5.00000	4.4
11 Ethyl Ether	59	2.639	2.639 (0.454)			6530	5.00000	4.9
13 Acrolein	56	2.822	2.822 (0.486)			7396	20.0000	22
15 1,1-Dichloroethene	96	2.852	2.852 (0.491)			5961	5.00000	5.6
14 Freon TF	101	2.810	2.816 (0.484)			5141	5.00000	3.8
16 Acetone	43	2.956	2.962 (0.509)			14161	15.0000	19
17 Iodomethane	142	3.016	3.023 (0.519)			3777	5.00000	2.0

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69971.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.526)		11531	5.00000	4.4
20 Allyl Chloride	76	3.205	3.205 (0.552)		3726	5.00000	5.0
21 Acetonitrile	39	3.272	3.278 (0.563)		5653	100.000	76
170 Cyclopentene	67	3.223	3.217 (0.555)		13610	5.00000	4.4
27 Methyl Acetate	43	3.217	3.223 (0.554)		11031	5.00000	4.8
22 Methylene Chloride	84	3.339	3.339 (0.575)		8888	5.00000	6.2
24 TBA	59	3.424	3.424 (0.589)		26788	100.000	100
25 trans-1,2-Dichloroethene	96	3.546	3.546 (0.610)		7861	5.00000	5.7
26 Acrylonitrile	53	3.637	3.637 (0.626)		8348	10.0000	9.7
28 MTBE	73	3.521	3.527 (0.606)		26540	5.00000	5.1
29 Hexane	56	3.722	3.722 (0.641)		2943	5.00000	3.9
30 1,1-Dichloroethane	63	3.996	3.990 (0.688)		16296	5.00000	5.5
31 Vinyl Acetate	43	4.014	4.020 (0.691)		32485	10.0000	9.0
32 DIPE	45	3.966	3.965 (0.683)		30920	5.00000	5.1
33 Allyl Alcohol	57	4.032	4.045 (0.694)		106400	2000.00	1700
34 n-Propanol	60	4.087	4.099 (0.704)		19727	2000.00	1700
35 t-Butyl-ethyl-ether	59	4.324	4.324 (0.744)		28163	5.00000	5.0
37 2,2-Dichloropropane	77	4.550	4.556 (0.783)		15106	5.00000	5.7
36 cis-1,2-Dichloroethene	96	4.580	4.580 (0.788)		8964	5.00000	5.1
38 2-Butanone	72	4.610	4.610 (0.794)		4497	15.0000	14
39 Ethyl Acetate	70	4.629	4.616 (0.797)		2462	10.0000	10
40 Bromochloromethane	128	4.842	4.842 (0.833)		4859	5.00000	5.3
41 Tetrahydrofuran	42	4.848	4.842 (0.835)		6052	5.00000	6.1
42 Chloroform	83	4.902	4.908 (0.844)		16726	5.00000	5.6
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.872)		13862	5.00000	5.5
44 Cyclohexane	56	5.054	5.048 (0.870)		9207	5.00000	3.8
45 Carbon Tetrachloride	117	5.207	5.200 (0.896)		11059	5.00000	5.3
46 1,1-Dichloropropene	75	5.243	5.243 (0.903)		12814	5.00000	5.5
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.492	5.492 (0.946)		185160	50.0000	50
48 Benzene	78	5.474	5.474 (0.628)		38339	5.00000	5.8
173 Propionitrile	54	4.756	4.762 (0.819)		3816	10.0000	10
49 1,2-Dichloroethane	62	5.584	5.584 (0.961)		13716	5.00000	5.4
181 Isobutyl Alcohol	43	5.401	5.407 (0.930)		249122	2000.00	1800
174 Methacrylonitrile	67	4.878	4.884 (0.840)		9934	5.00000	5.0
51 n-Heptane	57	5.657	5.663 (0.974)		3480	5.00000	3.5(a)
50 t-Amyl-methyl-ether	73	5.559	5.559 (0.957)		25539	5.00000	4.9
61 Isopropyl Acetate	43	5.553	5.559 (0.956)		54631	10.0000	9.9
* 52 Fluorobenzene	96	5.809	5.815 (1.000)		647234	50.0000	
166 2,4,4-Trimethyl-1-pentene	112	6.064	6.070 (1.044)		3848	10.0000	7.7
54 Trichloroethene	95	6.216	6.216 (1.070)		9109	5.00000	5.4
53 n-Butanol	41	6.180	6.186 (1.064)		53569	1000.00	820
56 Methyl cyclohexane	83	6.350	6.350 (1.093)		8722	5.00000	3.6
55 Ethyl Acrylate	55	6.362	6.362 (1.095)		21694	5.00000	4.5
57 1,2-Dichloropropane	63	6.521	6.521 (1.123)		10029	5.00000	5.4
58 Dibromomethane	93	6.648	6.648 (1.145)		6027	5.00000	5.2
60 1,4-Dioxane	88	6.642	6.642 (1.143)		3656	100.000	89
59 Methyl Methacrylate	100	6.612	6.612 (1.138)		3076	5.00000	4.8

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69971.d  
 Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.673	6.667	(1.149)	17244	10.0000	9.4
68 Bromodichloromethane	83	6.800	6.800	(1.171)	13523	5.00000	5.7
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111	(1.224)	5130	5.00000	4.5
63 Epichlorohydrin	57	7.202	7.202	(0.826)	22611	100.000	91
67 cis-1,3-Dichloropropene	75	7.251	7.251	(0.831)	16319	5.00000	5.6
70 4-Methyl-2-Pentanone	43	7.391	7.391	(0.847)	35197	15.0000	14
\$ 65 Toluene-d8 (SUR)	98	7.451	7.457	(0.854)	536871	50.0000	50
66 Toluene	91	7.512	7.518	(0.861)	42118	5.00000	5.7
64 trans-1,3-Dichloropropene	75	7.786	7.786	(0.893)	16061	5.00000	5.5
69 1,1,2-Trichloroethane	83	7.944	7.944	(0.911)	7829	5.00000	5.4
71 Tetrachloroethene	166	7.981	7.981	(0.915)	10835	5.00000	5.7
175 Ethyl methacrylate	69	7.810	7.810	(1.345)	12591	5.00000	4.6
72 1,3-Dichloropropane	76	8.102	8.096	(0.929)	16470	5.00000	5.4
73 2-Hexanone	43	8.139	8.139	(0.933)	25452	15.0000	14
74 Dibromochloromethane	129	8.261	8.260	(0.947)	9861	5.00000	5.4
76 Butyl Acetate	73	8.218	8.218	(0.942)	5654	10.0000	9.4
77 1,2-Dibromoethane	107	8.370	8.370	(0.960)	9709	5.00000	5.2
* 78 Chlorobenzene-d5	117	8.723	8.729	(1.000)	513690	50.0000	
79 Chlorobenzene	112	8.747	8.747	(1.003)	27923	5.00000	5.7
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820	(1.011)	10143	5.00000	5.6
81 Ethylbenzene	106	8.808	8.808	(1.010)	13778	5.00000	5.4
82 m+p-Xylene	106	8.905	8.905	(1.021)	36358	10.0000	11
84 o-Xylene	106	9.222	9.222	(1.057)	17318	5.00000	5.4
85 Styrene	104	9.240	9.240	(1.059)	29609	5.00000	5.4
83 Butyl Acrylate	73	9.185	9.185	(1.053)	7089	5.00000	4.7
86 Bromoform	173	9.410	9.410	(1.079)	7355	5.00000	5.2
87 Amyl Acetate	43	9.356	9.356	(0.892)	11520	5.00000	4.7
88 Isopropylbenzene	105	9.489	9.489	(1.088)	45124	5.00000	5.6
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648	(0.920)	229378	50.0000	51
90 Camphene (total)	41	9.666	9.666	(1.108)	3020	5.00000	4.1
91 Bromobenzene	156	9.757	9.757	(0.930)	13072	5.00000	5.7
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769	(0.932)	13475	5.00000	5.3
93 1,2,3-Trichloropropene	110	9.812	9.812	(0.936)	4463	5.00000	5.4
94 trans-1,4-Dichloro-2-butene	53	9.812	9.818	(0.936)	4444	5.00000	5.0
95 n-Propylbenzene	91	9.794	9.794	(0.934)	56243	5.00000	5.8
96 2-Chlorotoluene	91	9.885	9.885	(0.943)	36537	5.00000	5.6
97 1,3,5-Trimethylbenzene	105	9.927	9.927	(0.947)	38065	5.00000	5.7
98 4-Chlorotoluene	91	9.970	9.970	(0.951)	35104	5.00000	5.8
99 Butyl Methacrylate	87	9.982	9.982	(0.952)	11462	5.00000	4.6
184 4-Ethyltoluene	105	9.927	9.927	(1.709)	38065	5.00000	5.5
100 tert-Butylbenzene	119	10.159	10.159	(0.969)	33819	5.00000	5.7
101 1,2,4-Trimethylbenzene	105	10.201	10.201	(0.973)	40134	5.00000	5.8
103 sec-Butylbenzene	105	10.317	10.317	(0.984)	50120	5.00000	5.8
105 1,3-Dichlorobenzene	146	10.438	10.432	(0.995)	23613	5.00000	5.7
107 p-Isopropyltoluene	119	10.414	10.414	(0.993)	42073	5.00000	5.8
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	274475	50.0000	
109 1,4-Dichlorobenzene	146	10.499	10.505	(1.001)	24700	5.00000	5.7

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69971.d  
Report Date: 15-Aug-2012 11:26

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====	
110 Benzyl Chloride	91	10.603	10.603	(1.011)		24060	5.00000	4.8
183 1,4-Diethylbenzene	119	10.688	10.688	(1.840)		21934	5.00000	4.6
106 n-Butylbenzene	91	10.706	10.706	(1.021)		47255	5.00000	5.7
171 Indan	117	10.657	10.657	(1.835)		37282	5.00000	4.9
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)		21914	5.00000	5.4
182 1,2,4,5-Tetramethylbenzene	119	11.241	11.241	(1.935)		32731	5.00000	4.8
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)		3508	5.00000	5.7
114 1,2,4-Trichlorobenzene	180	11.978	11.971	(1.142)		15387	5.00000	5.6
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)		9696	5.00000	6.1
116 Naphthalene	128	12.215	12.209	(1.165)		36303	5.00000	5.8
117 1,2,3-Trichlorobenzene	180	12.434	12.440	(1.186)		13011	5.00000	6.1
M 120 1,2-Dichloroethene (Total)	100					16825	10.0000	11
M 121 Xylene (Total)	100					53676	15.0000	16

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).  
M - Compound response manually integrated.

Data File: c69971.d

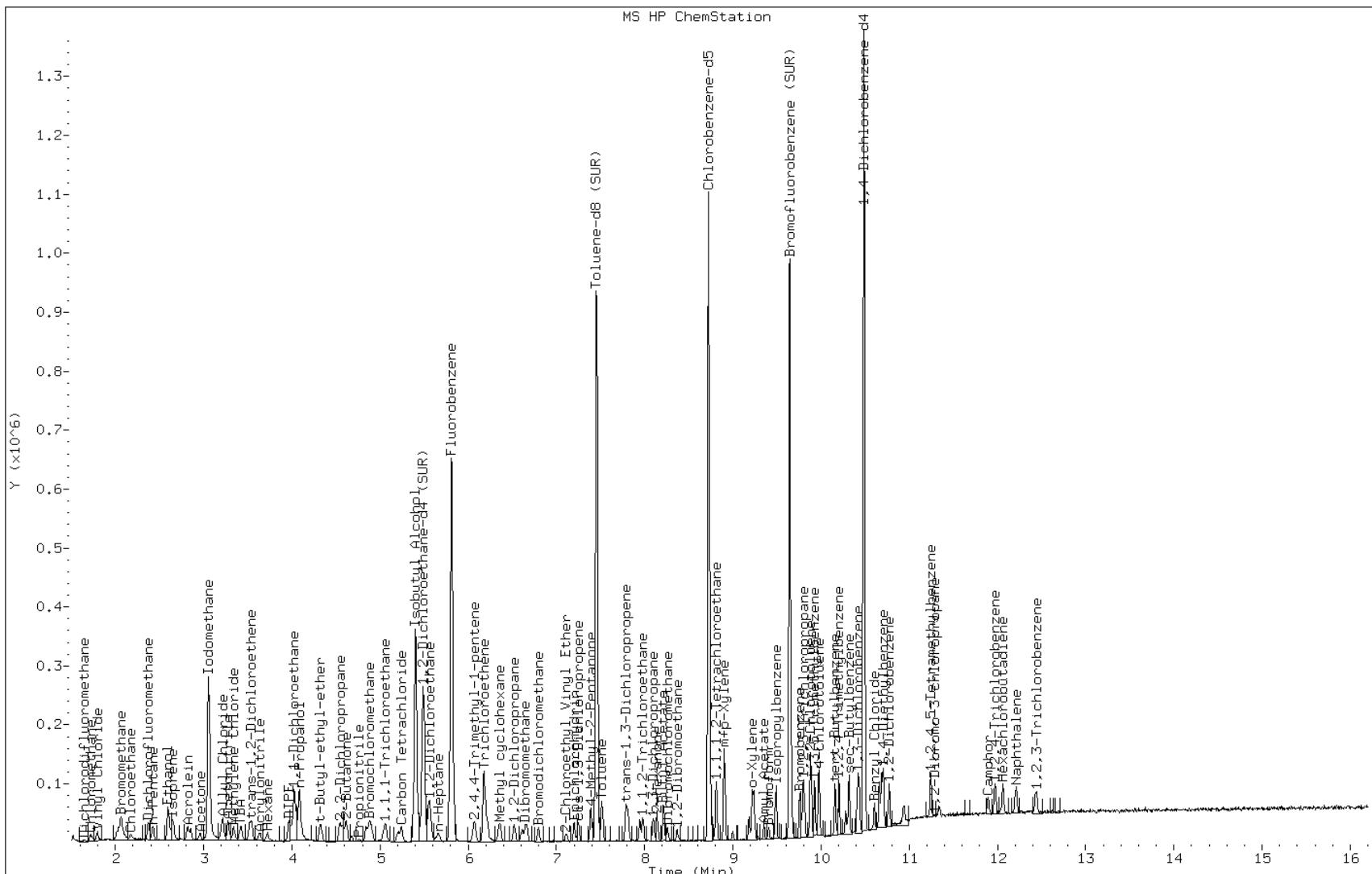
Date: 14-AUG-2012 16:08

Client ID:

Instrument: VOAMS3.i

Sample Info: IC-VCAL2

### Operator:



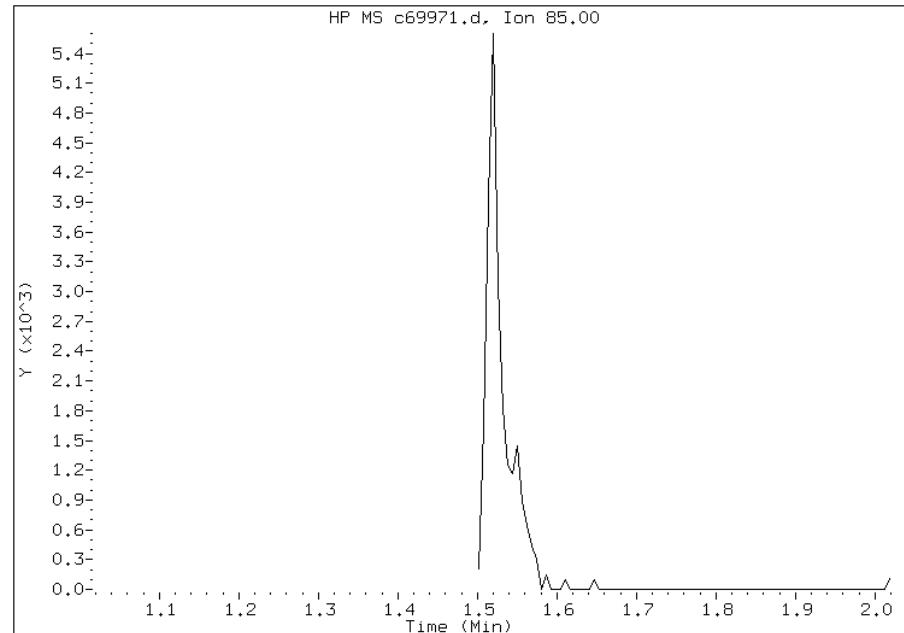
## Manual Integration Report

Data File: c69971.d  
Inj. Date and Time: 14-AUG-2012 16:08  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



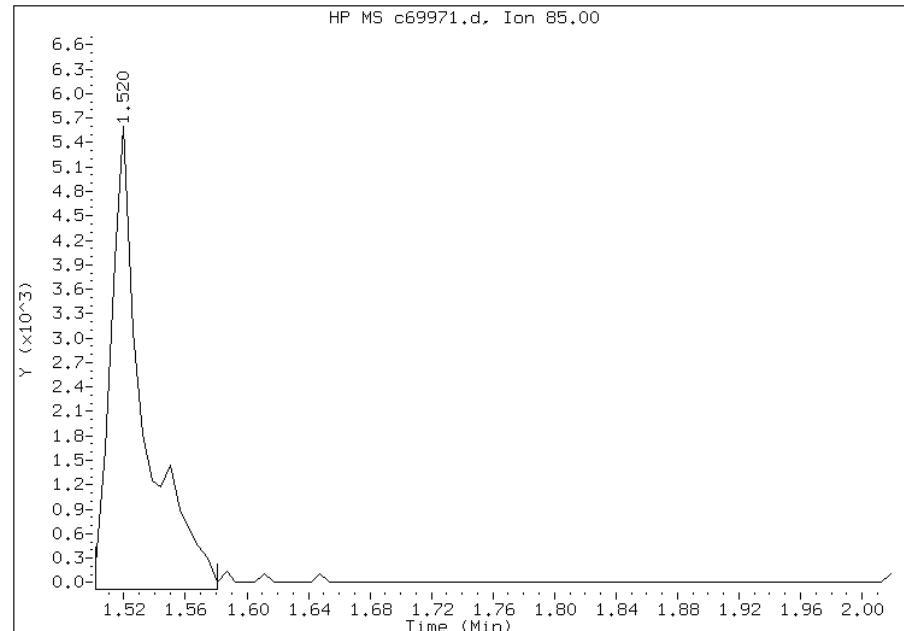
### Manual Integration Results

RT: 1.52

Response: 8612

Amount: 5

Conc: 5



Manually Integrated By: vibha

Manual Integration Reason: Analyte not Identified by the Data System

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-123595/2 Calibration Date: 08/10/2012 20:48

Instrument ID: VOAMS12 Calib Start Date: 07/21/2012 00:10

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 07/21/2012 02:40

Lab File ID: o63292.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3957	0.3642		18.4	20.0	-8.0	50.0
Chloromethane	Ave	0.4681	0.4362	0.1000	18.6	20.0	-6.8	50.0
Vinyl chloride	LinF	0.4166	0.4395		20.9	20.0	4.6	20.0
Bromomethane	LinF	0.2505	0.2723		22.0	20.0	9.9	50.0
Chloroethane	Ave	0.2129	0.2610		24.5	20.0	22.6	50.0
Dichlorofluoromethane	Ave	0.6746	0.7218		21.4	20.0	7.0	50.0
Trichlorofluoromethane	Ave	0.5776	0.6044		20.9	20.0	4.6	50.0
Ethanol	Ave	0.0017	0.0017		3080	3000	2.7	50.0
Ethyl ether	Ave	0.2652	0.2817		21.2	20.0	6.2	50.0
Isopropene	Ave	0.5271	0.5045		19.1	20.0	-4.3	50.0
Acrolein	Ave	0.0417	0.0394		284	300	-5.4	99.0
1,1-Dichloroethene	Ave	0.3032	0.2922		19.3	20.0	-3.7	20.0
Freon TF	Ave	0.3850	0.3916		20.3	20.0	1.7	50.0
Acetone	QuaF	0.0910	0.1051		27.4	20.0	37.2	50.0
Iodomethane	Ave	0.4618	0.4410		19.1	20.0	-4.5	50.0
Carbon disulfide	Ave	1.080	0.8831		16.4	20.0	-18.2	50.0
Acetonitrile	Ave	0.0752	0.0934		497	400	24.1	50.0
Methyl acetate	Ave	0.0580	0.0769		26.5	20.0	32.5	50.0
Methylene Chloride	LinF	0.4026	0.3664		22.5	20.0	12.3	50.0
TBA	Ave	0.0325	0.0395		487	400	21.8	50.0
Acrylonitrile	Ave	0.1062	0.1049		148	150	-1.2	50.0
trans-1,2-Dichloroethene	Ave	0.3764	0.3767		20.0	20.0	0.0	50.0
MTBE	Ave	0.8460	0.9759		23.1	20.0	15.4	50.0
Hexane	Ave	0.2912	0.2454		16.9	20.0	-15.7	50.0
1,1-Dichloroethane	Ave	0.6454	0.6368	0.1000	19.7	20.0	-1.3	50.0
Vinyl acetate	Ave	1.489	0.8431		45.3	40.0	-43.4	50.0
DIPE	Ave	1.066	1.177		22.1	20.0	10.4	50.0
Tert-butyl ethyl ether	Ave	0.9021	1.030	0.0100	22.8	20.0	14.2	50.0
2,2-Dichloropropane	Ave	0.5642	0.5077		18.0	20.0	-10.0	50.0
cis-1,2-Dichloroethene	Ave	0.4097	0.4079		19.9	20.0	-0.4	50.0
2-Butanone	Ave	0.0353	0.0464		26.3	20.0	31.6	50.0
Ethyl acetate	Ave	0.0262	0.0326		49.9	40.0	24.8	50.0
Bromochloromethane	Ave	0.1856	0.1822		19.6	20.0	-1.8	50.0
Tetrahydrofuran	LinF	0.1283	0.1333		28.5	20.0	42.6	50.0
Chloroform	Ave	0.6280	0.6154		19.6	20.0	-2.0	20.0
1,1,1-Trichloroethane	Ave	0.5458	0.5407		19.8	20.0	-0.9	50.0
Cyclohexane	Ave	0.7019	0.6545		18.6	20.0	-6.8	50.0
1,1-Dichloropropene	Ave	0.5292	0.5229		19.8	20.0	-1.2	50.0
Carbon tetrachloride	Ave	0.4549	0.4351		19.1	20.0	-4.3	50.0
Benzene	Ave	1.416	1.495		21.1	20.0	5.6	50.0
1,2-Dichloroethane	Ave	0.4039	0.3894		19.3	20.0	-3.6	50.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-123595/2 Calibration Date: 08/10/2012 20:48

Instrument ID: VOAMS12 Calib Start Date: 07/21/2012 00:10

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 07/21/2012 02:40

Lab File ID: o63292.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropyl acetate	Ave	0.5655	0.7287		51.5	40.0	28.9	50.0
Tert-amyl methyl ether	Ave	0.7641	0.9169		24.0	20.0	20.0	50.0
2,4,4-Trimethyl-1-pentene	Ave	0.2734	0.1446		42.3	40.0	-47.1	50.0
Trichloroethene	Ave	0.3583	0.3565		19.9	20.0	-0.5	50.0
n-Butanol	Ave	0.0043	0.0048		1680	1500	11.9	50.0
Ethyl acrylate	Ave	0.0149	0.0215		29.0	20.0	44.9	50.0
Methylcyclohexane	Ave	0.6824	0.6754		19.8	20.0	-1.0	50.0
1,2-Dichloropropane	Ave	0.3330	0.3437		20.6	20.0	3.2	20.0
Dibromomethane	Ave	0.1826	0.1868		20.5	20.0	2.3	50.0
1,4-Dioxane	Ave	0.0039	0.0046		178	150	18.7	50.0
Methyl methacrylate	Ave	0.1834	0.2231		24.3	20.0	21.6	50.0
Bromodichloromethane	Ave	0.4228	0.4235		20.0	20.0	0.2	50.0
2-Chloroethyl vinyl ether	Ave	0.1682	0.2378		28.3	20.0	41.4	50.0
Epichlorohydrin	Ave	0.0273	0.0367		538	400	34.4	50.0
cis-1,3-Dichloropropene	Ave	0.4960	0.5246		21.2	20.0	5.8	50.0
4-Methyl-2-pentanone	Ave	0.2413	0.3133		26.0	20.0	29.8	50.0
Toluene	Ave	2.085	2.086		20.0	20.0	0.0	20.0
trans-1,3-Dichloropropene	LinF	0.5386	0.5444		17.7	20.0	-11.3	50.0
1,1,2-Trichloroethane	Ave	0.2811	0.2933		20.9	20.0	4.3	50.0
Tetrachloroethene	Ave	0.5743	0.5647		19.7	20.0	-1.7	50.0
1,3-Dichloropropane	Ave	0.5973	0.6204		20.8	20.0	3.9	50.0
2-Hexanone	Ave	0.2204	0.2756		25.0	20.0	25.0	50.0
Dibromochloromethane	Ave	0.3867	0.3909		20.2	20.0	1.1	50.0
Butyl acetate	Ave	0.5449	0.6303		46.3	40.0	15.7	50.0
1,2-Dibromoethane	Ave	0.3379	0.3678		21.8	20.0	8.9	50.0
Chlorobenzene	Ave	1.299	1.329	0.3000	20.5	20.0	2.3	50.0
1,1,1,2-Tetrachloroethane	LinF	0.4042	0.4109		17.6	20.0	-12.1	50.0
Ethylbenzene	Ave	0.7192	0.7328		20.4	20.0	1.9	20.0
m&p-Xylene	Ave	0.8935	0.9301		41.6	40.0	4.1	50.0
o-Xylene	Ave	0.8824	0.8847		20.1	20.0	0.3	50.0
Styrene	Ave	1.454	1.519		20.9	20.0	4.5	50.0
Butyl acrylate	Ave	1.203	1.393		23.2	20.0	15.8	50.0
Bromoform	QuaF	0.2462	0.2553	0.1000	18.3	20.0	-8.3	50.0
Amly acetate	Ave	0.3495	0.4096		23.4	20.0	17.2	50.0
Isopropylbenzene	Ave	2.379	2.399		20.2	20.0	0.8	50.0
Camphene, Total	Ave	0.3405	0.3255		19.1	20.0	-4.4	50.0
Monobromobenzene	Ave	1.011	1.000		19.8	20.0	-1.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7520	0.8254	0.3000	22.0	20.0	9.8	50.0
1,2,3-Trichloropropane	Ave	0.2286	0.2595		22.7	20.0	13.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.0904	0.1150		25.4	20.0	27.2	50.0
N-Propylbenzene	Ave	4.923	5.083		20.6	20.0	3.2	50.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Lab Sample ID: <u>CCVIS 460-123595/2</u>	Calibration Date: <u>08/10/2012 20:48</u>
Instrument ID: <u>VOAMS12</u>	Calib Start Date: <u>07/21/2012 00:10</u>
GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>	Calib End Date: <u>07/21/2012 02:40</u>
Lab File ID: <u>o63292.d</u>	Conc. Units: <u>ug/L</u> Heated Purge: <u>(Y/N)</u> <u>Y</u>

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chlorotoluene	Ave	2.754	2.783		20.2	20.0	1.0	50.0
p-Ethyltoluene	Ave	1.828	2.058		22.5	20.0	12.6	50.0
4-Chlorotoluene	Ave	2.821	2.913		20.7	20.0	3.3	50.0
1,3,5-Trimethylbenzene	Ave	3.383	3.388		20.0	20.0	0.1	50.0
Butyl Methacrylate	LinF	0.9920	1.197		20.2	20.0	0.8	50.0
tert-Butylbenzene	Ave	3.133	3.098		19.8	20.0	-1.1	50.0
1,2,4-Trimethylbenzene	Ave	3.393	3.476		20.5	20.0	2.4	50.0
sec-Butylbenzene	Ave	4.744	4.739		20.0	20.0	-0.1	50.0
1,3-Dichlorobenzene	Ave	2.016	2.069		20.5	20.0	2.6	50.0
1,4-Dichlorobenzene	Ave	2.006	2.056		20.5	20.0	2.5	50.0
p-Isopropyltoluene	Ave	3.932	4.046		20.6	20.0	2.9	50.0
Benzyl chloride	LinF	1.259	1.653		20.7	20.0	3.5	50.0
1,2-Dichlorobenzene	Ave	1.881	1.907		20.3	20.0	1.4	50.0
1,4-Diethylbenzene	Ave	1.101	1.240		22.5	20.0	12.7	50.0
n-Butylbenzene	Ave	4.396	4.510		20.5	20.0	2.6	50.0
1,2-Dibromo-3-Chloropropane	LinF	0.1757	0.2047		24.3	20.0	21.7	50.0
1,2,4,5-Tetramethylbenzene	Ave	1.616	1.916		23.7	20.0	18.6	50.0
Camphor	Ave	0.0846	0.1203		142	100	42.2	50.0
1,2,4-Trichlorobenzene	Ave	1.543	1.612		20.9	20.0	4.5	50.0
Hexachlorobutadiene	Ave	0.9775	0.9480		19.4	20.0	-3.0	50.0
Naphthalene	Ave	3.002	3.369		22.4	20.0	12.2	50.0
1,2,3-Trichlorobenzene	Ave	1.396	1.473		21.1	20.0	5.5	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2054	0.1856		45.2	50.0	-9.7	50.0
Toluene-d8 (Surr)	Ave	1.014	0.9771		48.2	50.0	-3.7	50.0
Bromofluorobenzene	Ave	0.7005	0.6992		49.9	50.0	-0.2	50.0

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63292.d  
Report Date: 10-Aug-2012 22:10

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63292.d  
Lab Smp Id: CCVIS  
Inj Date : 10-AUG-2012 20:48  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : CCVIS  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)	ON-COL
90 Dichlorodifluoromethane	85	0.866	0.866 (0.234)			67677	20.0000	18
1 Chloromethane	50	0.995	0.995 (0.269)			81074	20.0000	19
4 Vinyl Chloride	62	1.009	1.009 (0.272)			81679	20.0000	21
3 Bromomethane	94	1.166	1.166 (0.315)			50607	20.0000	22
5 Chloroethane	64	1.217	1.217 (0.329)			48512	20.0000	24
9 Trichlorofluoromethane	101	1.338	1.338 (0.362)			112334	20.0000	21
121 n-Pentane	72	1.381	1.381 (0.373)			24089	40.0000	30
127 Ethanol	46	1.453	1.453 (0.392)			48617	3000.00	3100
46 Ethyl Ether	59	1.496	1.496 (0.404)			52345	20.0000	21
119 Isoprene	67	1.503	1.503 (0.406)			93760	20.0000	19
157 Dichlorofluoromethane	67	1.317	1.317 (0.356)			134138	20.0000	21
47 Acrolein	56	1.568	1.568 (0.423)			109861	300.000	280
10 1,1-Dichloroethene	96	1.611	1.611 (0.435)			54295	20.0000	19
48 Freon TF	101	1.618	1.618 (0.437)			72780	20.0000	20

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63292.d  
 Report Date: 10-Aug-2012 22:10

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.661	1.661 (0.449)		19525	20.0000	27
142 Iodomethane	142	1.704	1.704 (0.460)		81961	20.0000	19
8 Carbon Disulfide	76	1.732	1.732 (0.468)		164128	20.0000	16
50 Acetonitrile	41	1.818	1.818 (0.491)		347036	400.000	500
125 Methyl acetate	74	1.847	1.847 (0.499)		14297	20.0000	26
6 Methylene Chloride	84	1.897	1.897 (0.512)		68096	20.0000	22
51 TBA	59	1.990	1.990 (0.538)		146932	400.000	490
52 Acrylonitrile	53	2.055	2.055 (0.555)		146269	150.000	150
12 trans-1,2-Dichloroethene	96	2.055	2.055 (0.555)		70001	20.0000	20
53 MTBE	73	2.062	2.062 (0.557)		181376	20.0000	23
54 Hexane	56	2.227	2.227 (0.601)		45612	20.0000	17
11 1,1-Dichloroethane	63	2.334	2.334 (0.630)		118354	20.0000	20
57 Vinyl Acetate	43	2.377	2.377 (0.642)		313382	40.0000	45
55 DIPE	45	2.384	2.384 (0.644)		218775	20.0000	22
149 tert-Butyl ethyl ether	59	2.642	2.642 (0.714)		191492	20.0000	23
104 2,2-Dichloropropane	77	2.742	2.742 (0.741)		94360	20.0000	18
13 cis-1,2-Dichloroethene	96	2.749	2.749 (0.743)		75815	20.0000	20
18 2-Butanone	72	2.778	2.778 (0.750)		8627	20.0000	26
56 Ethyl Acetate	70	2.828	2.828 (0.764)		12128	40.0000	50
108 Bromochloromethane	128	2.929	2.929 (0.791)		33853	20.0000	20
160 Tetrahydrofuran	42	2.972	2.972 (0.803)		24772	20.0000	28
15 Chloroform	83	3.000	3.000 (0.810)		114364	20.0000	20
20 1,1,1-Trichloroethane	97	3.129	3.129 (0.845)		100480	20.0000	20
59 Cyclohexane	56	3.165	3.165 (0.855)		121635	20.0000	19
21 Carbon Tetrachloride	117	3.265	3.265 (0.882)		80867	20.0000	19
92 1,1-Dichloropropene	75	3.265	3.265 (0.882)		97175	20.0000	20
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.408	3.408 (0.921)		86241	50.0000	45
28 Benzene	78	3.444	3.444 (0.930)		277802	20.0000	21
17 1,2-Dichloroethane	62	3.473	3.473 (0.938)		72377	20.0000	19
61 Isopropyl Acetate	43	3.566	3.566 (0.963)		270858	40.0000	52
140 tert-Amylmethyl Ether	73	3.566	3.566 (0.963)		170411	20.0000	24
* 69 Fluorobenzene	96	3.702	3.702 (1.000)		464622	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010 (1.083)		53743	40.0000	42
25 Trichloroethene	95	4.053	4.053 (1.095)		66255	20.0000	20
63 n-Butanol	43	4.082	4.082 (1.103)		66594	1500.00	1700
96 Ethyl Acrylate	85	4.211	4.211 (1.137)		3999	20.0000	29
126 Methyl cyclohexane	83	4.225	4.225 (1.141)		125520	20.0000	20
23 1,2-Dichloropropane	63	4.282	4.282 (1.157)		63873	20.0000	21
109 Dibromomethane	93	4.397	4.397 (1.188)		34712	20.0000	20
95 1,4-Dioxane	88	4.454	4.454 (1.203)		6377	150.000	180
146 Methyl methacrylate	69	4.454	4.454 (1.203)		41463	20.0000	24
64 Propyl Acetate	43	4.540	4.540 (1.226)		82592	40.0000	49
22 Bromodichloromethane	83	4.583	4.583 (1.238)		78710	20.0000	20
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963 (1.341)		44187	20.0000	28
159 2-Nitropropane	41	5.006	5.006 (1.352)		5212	40.0000	(a)
118 Epichlorohydrin	57	5.013	5.013 (1.354)		136401	400.000	540
24 cis-1,3-Dichloropropene	75	5.092	5.092 (1.375)		97492	20.0000	21

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63292.d  
 Report Date: 10-Aug-2012 22:10

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314 (1.435)		58228	20.0000	26
\$ 37 Toluene-d8 (SUR)	98	5.385	5.385 (0.741)		352638	50.0000	48
38 Toluene	91	5.464	5.464 (0.752)		301086	20.0000	20
29 trans-1,3-Dichloropropene	75	5.787	5.787 (0.796)		78583	20.0000	18
27 1,1,2-Trichloroethane	83	6.009	6.009 (0.827)		42337	20.0000	21
35 Tetrachloroethene	166	6.130	6.130 (0.843)		81511	20.0000	20
103 1,3-Dichloropropane	76	6.209	6.209 (0.854)		89558	20.0000	21
34 2-Hexanone	43	6.388	6.388 (0.879)		39776	20.0000	25
26 Dibromochloromethane	129	6.496	6.496 (0.894)		56421	20.0000	20
65 Butyl Acetate	43	6.603	6.603 (0.908)		181976	40.0000	46
66 1,2-Dibromoethane	107	6.610	6.610 (0.909)		53093	20.0000	22
* 32 Chlorobenzene-d5	117	7.269	7.269 (1.000)		360866	50.0000	
39 Chlorobenzene	112	7.312	7.312 (1.006)		191880	20.0000	20
97 1,1,1,2-Tetrachloroethane	131	7.456	7.456 (1.026)		59318	20.0000	18
40 Ethylbenzene	106	7.506	7.506 (1.032)		105780	20.0000	20
43 m+p-Xylene	106	7.692	7.692 (1.058)		268507	40.0000	42
44 o-Xylene	106	8.272	8.272 (1.138)		127698	20.0000	20
42 Styrene	104	8.301	8.301 (1.142)		219310	20.0000	21
147 Butyl Acrylate	55	8.380	8.380 (0.766)		115346	20.0000	23
31 Bromoform	173	8.537	8.537 (1.174)		36858	20.0000	18
145 Amyl Acetate	43	8.766	8.766 (1.206)		59117	20.0000	23
110 Isopropylbenzene	105	8.867	8.867 (1.220)		346234	20.0000	20
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.074 (0.830)		144713	50.0000	50
150 Camphene	41	9.196	9.196 (0.841)		26944	20.0000	19
107 Bromobenzene	156	9.254	9.254 (0.846)		82759	20.0000	20
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411 (0.860)		68326	20.0000	22
99 1,2,3-Trichloropropane	110	9.418	9.418 (0.861)		21479	20.0000	23
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504 (2.567)		21374	20.0000	25
112 n-Propylbenzene	91	9.526	9.526 (0.871)		420779	20.0000	21
105 2-Chlorotoluene	91	9.597	9.597 (0.878)		230354	20.0000	20
161 4-Ethyltoluene	105	9.719	9.719 (2.625)		382443	20.0000	22
106 4-Chlorotoluene	91	9.784	9.784 (0.895)		241147	20.0000	21
102 1,3,5-Trimethylbenzene	105	9.841	9.841 (0.900)		280459	20.0000	20
148 Butyl methacrylate	69	10.142	10.142 (0.927)		99094	20.0000	20
115 tert-Butylbenzene	119	10.349	10.349 (0.946)		256481	20.0000	20
100 1,2,4-Trimethylbenzene	105	10.435	10.435 (0.954)		287725	20.0000	20
114 sec-Butylbenzene	105	10.715	10.715 (0.980)		392309	20.0000	20
67 1,3-Dichlorobenzene	146	10.815	10.815 (0.989)		171241	20.0000	20
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937 (1.000)		206943	50.0000	
68 1,4-Dichlorobenzene	146	10.973	10.973 (1.003)		170186	20.0000	20
113 p-Isopropyltoluene	119	10.994	10.994 (1.005)		334880	20.0000	20
117 Benzyl chloride	91	11.238	11.238 (1.028)		136860	20.0000	21
69 1,2-Dichlorobenzene	146	11.517	11.517 (1.053)		157884	20.0000	20
162 1,4-Diethylbenzene	119	11.581	11.581 (3.128)		230513	20.0000	22
111 n-Butylbenzene	91	11.603	11.603 (1.061)		373360	20.0000	20
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477 (1.141)		16947	20.0000	24
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491 (3.374)		356079	20.0000	24

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63292.d  
Report Date: 10-Aug-2012 22:10

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====	
152 Camphor		95	13.186	13.186 (1.206)		49806	100.000	140
93 1,2,4-Trichlorobenzene		180	13.272	13.272 (1.214)		133427	20.0000	21
94 Hexachlorobutadiene		225	13.451	13.451 (1.230)		78473	20.0000	19
70 Naphthalene		128	13.473	13.473 (1.232)		278869	20.0000	22
98 1,2,3-Trichlorobenzene		180	13.687	13.687 (1.251)		121922	20.0000	21
M 14 1,2-Dichloroethene (total)		100				145816	40.0000	40
M 45 Xylene (Total)		100				396205	60.0000	62

#### QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: o63292.d

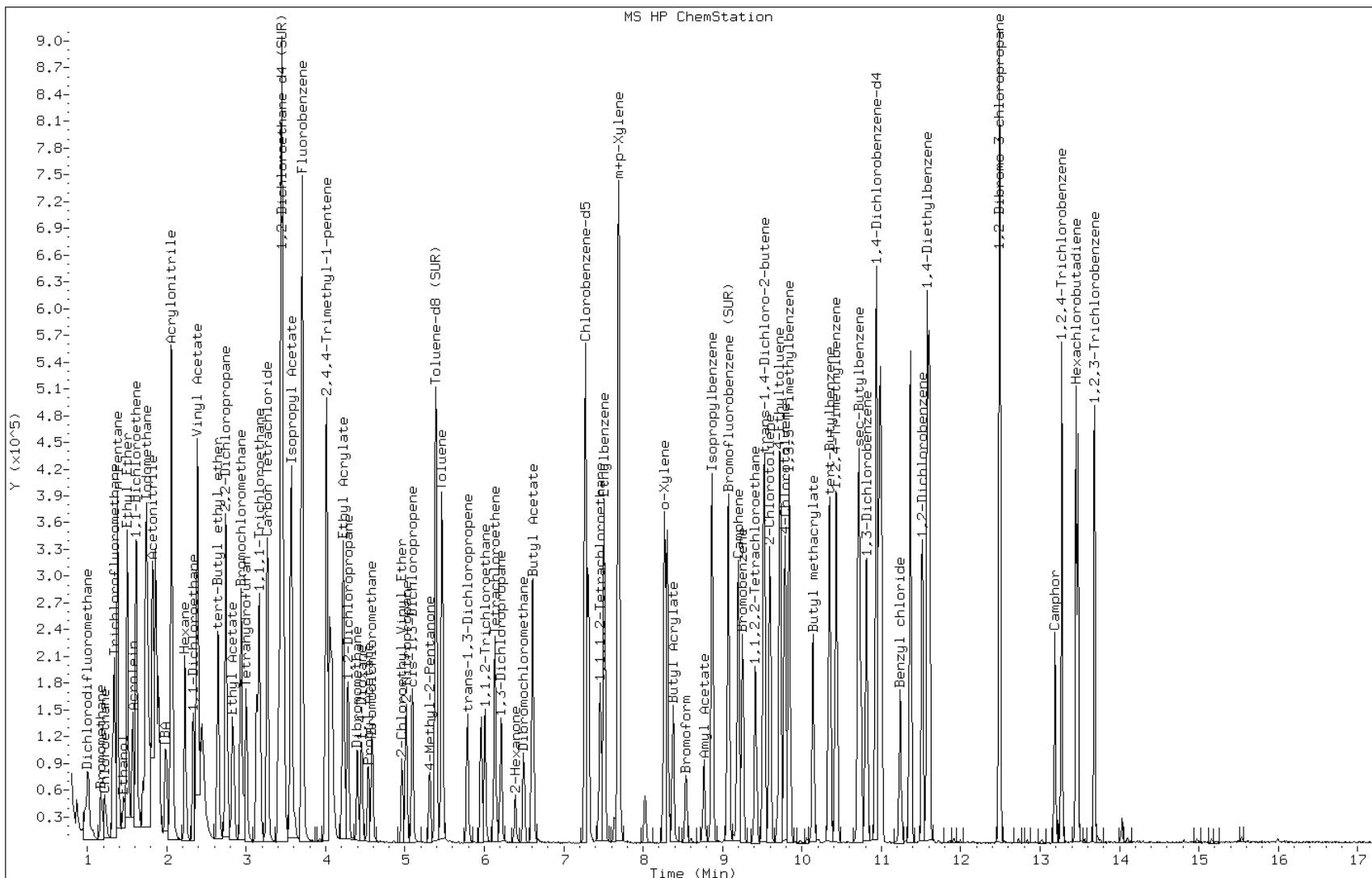
Date: 10-AUG-2012 20:48

Client ID:

Instrument: VOAMS12.i

Sample Info: CCVIS

Operator: VOAMS 9



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVIS 460-124070/2 Calibration Date: 08/14/2012 18:24  
Instrument ID: VOAMS3 Calib Start Date: 08/14/2012 08:47  
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 08/14/2012 16:08  
Lab File ID: c69975.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.1270	0.0942		14.8	20.0	-25.9	50.0
Chloromethane	Ave	0.1819	0.1665	0.1000	18.3	20.0	-8.5	50.0
Vinyl chloride	Ave	0.1628	0.1406		17.3	20.0	-13.7	20.0
Bromomethane	LinF	0.0932	0.0794		17.9	20.0	-10.6	50.0
Chloroethane	Ave	0.0896	0.0861		19.2	20.0	-3.9	50.0
Dichlorofluoromethane	Ave	0.2259	0.2206		19.5	20.0	-2.3	50.0
Trichlorofluoromethane	Ave	0.2007	0.1671		16.6	20.0	-16.8	50.0
n-Pentane	LinF	0.0145	0.0110		25.6	40.0	-36.1	50.0
Ethanol	Ave	0.0012	0.0013		3190	3000	6.5	50.0
Ethyl ether	Ave	0.1031	0.1064		20.6	20.0	3.1	50.0
Isopropene	Ave	0.1382	0.1287		18.6	20.0	-6.9	50.0
Acrolein	Ave	0.0264	0.0279		42.2	40.0	5.6	99.0
Freon TF	Ave	0.1030	0.0825		16.0	20.0	-19.9	50.0
1,1-Dichloroethene	Ave	0.0822	0.0781		19.0	20.0	-5.0	20.0
Acetone	LinF	0.0717	0.0774		26.9	20.0	34.4	50.0
Iodomethane	LinF	0.1018	0.0881		12.1	20.0	-39.7	50.0
Carbon disulfide	Ave	0.2015	0.1724		17.1	20.0	-14.4	50.0
Cyclopentene	Ave	0.2368	0.2074		17.5	20.0	-12.4	50.0
Methyl acetate	Ave	0.1762	0.1769		20.1	20.0	0.4	50.0
Acetonitrile	LinF	0.0054	0.0045		316	400	-21.0	50.0
Methylene Chloride	LinF	0.1226	0.1157		21.0	20.0	4.9	50.0
TBA	LinF	0.0228	0.0225		448	400	12.1	50.0
MTBE	Ave	0.4038	0.3955		19.6	20.0	-2.1	50.0
trans-1,2-Dichloroethene	Ave	0.1068	0.0961		18.0	20.0	-10.0	50.0
Acrylonitrile	Ave	0.0664	0.0728		21.9	20.0	9.6	50.0
Hexane	Ave	0.0577	0.0394		13.6	20.0	-31.9	50.0
DIPE	Ave	0.4662	0.4696		20.1	20.0	0.7	50.0
1,1-Dichloroethane	Ave	0.2305	0.2288	0.1000	19.8	20.0	-0.8	50.0
Vinyl acetate	Ave	0.2782	0.2594		37.3	40.0	-6.8	50.0
Allyl alcohol	Ave	0.0048	0.0051		3170	3000	5.7	50.0
Tert-butyl ethyl ether	Ave	0.4391	0.4375	0.0100	19.9	20.0	-0.4	50.0
2,2-Dichloropropane	Ave	0.2043	0.1931		18.9	20.0	-5.5	50.0
cis-1,2-Dichloroethene	Ave	0.1363	0.1357		19.9	20.0	-0.5	50.0
2-Butanone	Ave	0.0255	0.0250		19.6	20.0	-1.9	50.0
Ethyl acetate	LinF	0.0200	0.0190		41.1	40.0	2.8	50.0
Propionitrile	LinF	0.0319	0.0309		42.3	40.0	5.7	50.0
Bromochloromethane	Ave	0.0706	0.0643		18.2	20.0	-9.0	50.0
Tetrahydrofuran	LinF	0.0860	0.0783		22.9	20.0	14.5	50.0
Methacrylonitrile	Ave	0.1522	0.0747		19.6	40.0	-50.9*	50.0
Chloroform	Ave	0.2294	0.2263		19.7	20.0	-1.3	20.0
Cyclohexane	LinF	0.1729	0.1356		14.4	20.0	-27.8	50.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124070/2 Calibration Date: 08/14/2012 18:24

Instrument ID: VOAMS3 Calib Start Date: 08/14/2012 08:47

GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 08/14/2012 16:08

Lab File ID: c69975.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1-Trichloroethane	Ave	0.1937	0.1918		19.8	20.0	-1.0	50.0
Carbon tetrachloride	Ave	0.1613	0.1548		19.2	20.0	-4.0	50.0
1,1-Dichloropropene	Ave	0.1784	0.1672		18.7	20.0	-6.3	50.0
Isobutyl alcohol	Ave	0.0106	0.0112		3160	3000	5.2	50.0
Benzene	Ave	0.6444	0.6457		20.0	20.0	0.2	50.0
Isopropyl acetate	Ave	0.4271	0.4225		39.6	40.0	-1.1	50.0
Tert-amyl methyl ether	Ave	0.4001	0.4053		20.3	20.0	1.3	50.0
1,2-Dichloroethane	Ave	0.1963	0.1976		20.1	20.0	0.7	50.0
n-Heptane	LinF	0.0707	0.0492		12.9	20.0	-35.5	50.0
2,4,4-Trimethyl-1-pentene	LinF	0.0386	0.0278		25.6	40.0	-35.9	50.0
n-Butanol	Ave	0.0050	0.0051		1530	1500	1.8	50.0
Trichloroethene	Ave	0.1305	0.1238		19.0	20.0	-5.1	50.0
Methylcyclohexane	LinF	0.1706	0.1325		14.2	20.0	-29.0	50.0
Ethyl acrylate	Ave	0.3711	0.3243		17.5	20.0	-12.6	50.0
1,2-Dichloropropane	Ave	0.1424	0.1408		19.8	20.0	-1.2	20.0
Methyl methacrylate	Ave	0.0492	0.0446		18.1	20.0	-9.4	50.0
1,4-Dioxane	Ave	0.0032	0.0036		169	150	12.5	50.0
Dibromomethane	Ave	0.0891	0.0839		18.8	20.0	-5.9	50.0
Propyl acetate	Ave	0.1423	0.2742		38.6	20.0	92.8*	50.0
Bromodichloromethane	Ave	0.1842	0.1811		19.7	20.0	-1.7	50.0
2-Chloroethyl vinyl ether	Ave	0.0878	0.0812		18.5	20.0	-7.5	50.0
Epichlorohydrin	Ave	0.0241	0.0244		405	400	1.2	50.0
cis-1,3-Dichloropropene	Ave	0.2861	0.2870		20.1	20.0	0.3	50.0
4-Methyl-2-pantanone	Ave	0.2403	0.2430		20.2	20.0	1.1	50.0
Toluene	Ave	0.7241	0.7067		19.5	20.0	-2.4	20.0
trans-1,3-Dichloropropene	Ave	0.2837	0.2776		19.6	20.0	-2.1	50.0
Ethyl methacrylate	Ave	0.2092	0.1971		18.8	20.0	-5.8	50.0
1,1,2-Trichloroethane	Ave	0.1420	0.1475		20.8	20.0	3.8	50.0
Tetrachloroethene	Ave	0.1851	0.1741		18.8	20.0	-6.0	50.0
1,3-Dichloropropane	Ave	0.2962	0.2948		19.9	20.0	-0.5	50.0
2-Hexanone	Ave	0.1735	0.1715		19.8	20.0	-1.1	50.0
Butyl acetate	Ave	0.0584	0.0591		40.4	40.0	1.1	50.0
Dibromochloromethane	Ave	0.1781	0.1708		19.2	20.0	-4.1	50.0
1,2-Dibromoethane	Ave	0.1806	0.1778		19.7	20.0	-1.6	50.0
Chlorobenzene	Ave	0.4772	0.4650	0.3000	19.5	20.0	-2.5	50.0
Ethylbenzene	Ave	0.2457	0.2490		20.3	20.0	1.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.1761	0.1748		19.9	20.0	-0.7	50.0
m&p-Xylene	Ave	0.3153	0.3143		39.9	40.0	-0.3	50.0
Butyl acrylate	Ave	0.1469	0.1463		19.9	20.0	-0.4	50.0
o-Xylene	Ave	0.3147	0.3203		20.4	20.0	1.8	50.0
Styrene	Ave	0.5350	0.5238		19.6	20.0	-2.1	50.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVIS 460-124070/2 Calibration Date: 08/14/2012 18:24  
Instrument ID: VOAMS3 Calib Start Date: 08/14/2012 08:47  
GC Column: Rtx-624 ID: 0.25 (mm) Calib End Date: 08/14/2012 16:08  
Lab File ID: c69975.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Amyl acetate	Ave	0.4424	0.4508		20.4	20.0	1.9	50.0
Bromoform	Ave	0.1384	0.1328	0.1000	19.2	20.0	-4.0	50.0
Isopropylbenzene	Ave	0.7803	0.7872		20.2	20.0	0.9	50.0
Camphepane, Total	Ave	0.0713	0.0591		16.6	20.0	-17.1	50.0
Monobromobenzene	Ave	0.4204	0.4143		19.7	20.0	-1.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.4616	0.4553	0.3000	19.7	20.0	-1.4	50.0
N-Propylbenzene	Ave	1.751	1.822		20.8	20.0	4.0	50.0
1,2,3-Trichloropropane	Ave	0.1490	0.1447		19.4	20.0	-2.9	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1606	0.1567		19.5	20.0	-2.4	50.0
2-Chlorotoluene	Ave	1.182	1.197		20.3	20.0	1.3	50.0
1,3,5-Trimethylbenzene	Ave	1.224	1.262		20.6	20.0	3.1	50.0
p-Ethyltoluene	Ave	0.5305	0.5324		20.1	20.0	0.4	50.0
4-Chlorotoluene	Ave	1.094	1.118		20.4	20.0	2.2	50.0
Butyl Methacrylate	Ave	0.4555	0.4441		19.5	20.0	-2.5	50.0
tert-Butylbenzene	Ave	1.074	1.104		20.6	20.0	2.8	50.0
1,2,4-Trimethylbenzene	Ave	1.254	1.287		20.5	20.0	2.6	50.0
sec-Butylbenzene	Ave	1.566	1.642		21.0	20.0	4.9	50.0
p-Isopropyltoluene	Ave	1.323	1.373		20.7	20.0	3.7	50.0
1,3-Dichlorobenzene	Ave	0.7526	0.7646		20.3	20.0	1.6	50.0
1,4-Dichlorobenzene	Ave	0.7925	0.7564		19.1	20.0	-4.6	50.0
Benzyl chloride	Ave	0.9025	0.8872		19.7	20.0	-1.7	50.0
Indian	Ave	0.5920	0.5758		19.5	20.0	-2.7	50.0
1,4-Diethylbenzene	Ave	0.3667	0.3563		19.4	20.0	-2.8	50.0
n-Butylbenzene	Ave	1.508	1.578		20.9	20.0	4.7	50.0
1,2-Dichlorobenzene	Ave	0.7314	0.7390		20.2	20.0	1.0	50.0
1,2,4,5-Tetramethylbenzene	Ave	0.5281	0.5103		19.3	20.0	-3.4	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1114	0.0968		17.4	20.0	-13.1	50.0
1,2,4-Trichlorobenzene	Ave	0.5025	0.4891		19.5	20.0	-2.7	50.0
Hexachlorobutadiene	Ave	0.2883	0.2814		19.5	20.0	-2.4	50.0
Naphthalene	LinF	1.373	1.262		22.1	20.0	10.5	50.0
1,2,3-Trichlorobenzene	LinF	0.4464	0.4038		20.8	20.0	4.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2847	0.2843		49.9	50.0	-0.2	50.0
Toluene-d8 (Surr)	Ave	1.040	1.044		50.2	50.0	0.4	50.0
Bromofluorobenzene	Ave	0.8130	0.7905		48.6	50.0	-2.8	50.0

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69975.d  
Report Date: 15-Aug-2012 13:31

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69975.d  
Lab Smp Id: CCVIS  
Inj Date : 14-AUG-2012 18:24  
Operator : Inst ID: VOAMS3.i  
Smp Info : CCVIS  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 13:31 barsoums Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 2 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)		20524	20.0000	15(M)
3 Chloromethane	50	1.715	1.715 (0.295)		36281	20.0000	18
4 Vinyl Chloride	62	1.794	1.794 (0.308)		30635	20.0000	17
6 Bromomethane	94	2.086	2.086 (0.359)		17307	20.0000	18
5 Chloroethane	64	2.183	2.183 (0.375)		18769	20.0000	19
180 Dichlorofluoromethane	67	2.372	2.372 (0.408)		48091	20.0000	20
7 Trichlorofluoromethane	101	2.378	2.378 (0.409)		36414	20.0000	17
8 n-Pentane	72	2.433	2.433 (0.418)		4794	40.0000	26
9 Ethanol	46	2.591	2.591 (0.446)		42089	3000.00	3200
10 Isoprene	67	2.658	2.658 (0.457)		28048	20.0000	19
11 Ethyl Ether	59	2.640	2.640 (0.454)		23182	20.0000	21
13 Acrolein	56	2.822	2.822 (0.485)		12173	40.0000	42
15 1,1-Dichloroethene	96	2.852	2.852 (0.491)		17019	20.0000	19
14 Freon TF	101	2.822	2.822 (0.485)		17988	20.0000	16
16 Acetone	43	2.956	2.956 (0.508)		16873	20.0000	27
17 Iodomethane	142	3.017	3.017 (0.519)		19196	20.0000	12

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69975.d  
 Report Date: 15-Aug-2012 13:31

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)		37581	20.0000	17
20 Allyl Chloride	76	3.205	3.205 (0.551)		12548	20.0000	20
21 Acetonitrile	39	3.278	3.278 (0.564)		19731	400.000	320
170 Cyclopentene	67	3.224	3.224 (0.554)		45201	20.0000	18
27 Methyl Acetate	43	3.224	3.224 (0.554)		38557	20.0000	20
22 Methylene Chloride	84	3.339	3.339 (0.574)		25209	20.0000	21
24 TBA	59	3.418	3.418 (0.588)		97845	400.000	450
25 trans-1,2-Dichloroethene	96	3.546	3.546 (0.610)		20945	20.0000	18
26 Acrylonitrile	53	3.637	3.637 (0.625)		15858	20.0000	22
28 MTBE	73	3.522	3.522 (0.606)		86193	20.0000	20
29 Hexane	56	3.728	3.728 (0.641)		8577	20.0000	14
30 1,1-Dichloroethane	63	3.996	3.996 (0.687)		49859	20.0000	20
31 Vinyl Acetate	43	4.020	4.020 (0.691)		113085	40.0000	37
32 DIPE	45	3.966	3.966 (0.682)		102347	20.0000	20
33 Allyl Alcohol	57	4.027	4.027 (0.692)		165498	3000.00	3200
34 n-Propanol	60	4.081	4.081 (0.702)		30655	3000.00	3100
35 t-Butyl-ethyl-ether	59	4.325	4.325 (0.744)		95364	20.0000	20
37 2,2-Dichloropropane	77	4.556	4.556 (0.783)		42090	20.0000	19
36 cis-1,2-Dichloroethene	96	4.586	4.586 (0.789)		29574	20.0000	20
38 2-Butanone	72	4.611	4.611 (0.793)		5446	20.0000	20
39 Ethyl Acetate	70	4.623	4.623 (0.795)		8299	40.0000	41
40 Bromochloromethane	128	4.848	4.848 (0.834)		14005	20.0000	18
41 Tetrahydrofuran	42	4.848	4.848 (0.834)		17067	20.0000	23
42 Chloroform	83	4.903	4.903 (0.843)		49320	20.0000	20
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.871)		41801	20.0000	20
44 Cyclohexane	56	5.049	5.049 (0.868)		29564	20.0000	14
45 Carbon Tetrachloride	117	5.207	5.207 (0.895)		33731	20.0000	19
46 1,1-Dichloropropene	75	5.243	5.243 (0.902)		36441	20.0000	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.493 (0.945)		154917	50.0000	50
48 Benzene	78	5.474	5.474 (0.628)		110583	20.0000	20
173 Propionitrile	54	4.763	4.763 (0.819)		13481	40.0000	42
49 1,2-Dichloroethane	62	5.584	5.584 (0.960)		43078	20.0000	20
181 Isobutyl Alcohol	43	5.401	5.401 (0.929)		364823	3000.00	3200
174 Methacrylonitrile	67	4.878	4.878 (0.839)		32572	20.0000	20
51 n-Heptane	57	5.669	5.669 (0.975)		10717	20.0000	13
50 t-Amyl-methyl-ether	73	5.560	5.560 (0.956)		88331	20.0000	20
61 Isopropyl Acetate	43	5.554	5.554 (0.955)		184171	40.0000	40
* 52 Fluorobenzene	96	5.815	5.815 (1.000)		544900	50.0000	
166 2,4,4-Trimethyl-1-pentene	112	6.077	6.077 (1.045)		12100	40.0000	26
54 Trichloroethene	95	6.217	6.217 (1.069)		26985	20.0000	19
53 n-Butanol	41	6.174	6.174 (1.062)		83930	1500.00	1500
56 Methyl cyclohexane	83	6.350	6.350 (1.092)		28887	20.0000	14
55 Ethyl Acrylate	55	6.363	6.363 (1.094)		70677	20.0000	17
57 1,2-Dichloropropane	63	6.521	6.521 (1.121)		30680	20.0000	20
58 Dibromomethane	93	6.649	6.649 (1.143)		18276	20.0000	19
60 1,4-Dioxane	88	6.649	6.649 (1.143)		5852	150.000	170
59 Methyl Methacrylate	100	6.612	6.612 (1.137)		9721	20.0000	18

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69975.d  
 Report Date: 15-Aug-2012 13:31

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.667	6.667 (1.146)		59764	40.0000	38
68 Bromodichloromethane	83	6.801	6.801 (1.169)		39464	20.0000	20
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111 (1.223)		17691	20.0000	18
63 Epichlorohydrin	57	7.202	7.202 (0.826)		83428	400.000	400
67 cis-1,3-Dichloropropene	75	7.251	7.251 (0.831)		49151	20.0000	20
70 4-Methyl-2-Pentanone	43	7.391	7.391 (0.847)		41625	20.0000	20
\$ 65 Toluene-d8 (SUR)	98	7.458	7.458 (0.855)		446968	50.0000	50
66 Toluene	91	7.519	7.519 (0.862)		121040	20.0000	20
64 trans-1,3-Dichloropropene	75	7.786	7.786 (0.893)		47541	20.0000	20
69 1,1,2-Trichloroethane	83	7.944	7.944 (0.911)		25257	20.0000	21
71 Tetrachloroethene	166	7.981	7.981 (0.915)		29812	20.0000	19
175 Ethyl methacrylate	69	7.811	7.811 (1.343)		42957	20.0000	19
72 1,3-Dichloropropane	76	8.096	8.096 (0.928)		50484	20.0000	20
73 2-Hexanone	43	8.139	8.139 (0.933)		29371	20.0000	20
74 Dibromochloromethane	129	8.261	8.261 (0.947)		29246	20.0000	19
76 Butyl Acetate	73	8.218	8.218 (0.942)		20238	40.0000	40
77 1,2-Dibromoethane	107	8.370	8.370 (0.960)		30452	20.0000	20
* 78 Chlorobenzene-d5	117	8.723	8.723 (1.000)		428187	50.0000	
79 Chlorobenzene	112	8.747	8.747 (1.003)		79648	20.0000	19
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820 (1.011)		29938	20.0000	20
81 Ethylbenzene	106	8.808	8.808 (1.010)		42646	20.0000	20
82 m+p-Xylene	106	8.906	8.906 (1.021)		107676	40.0000	40
84 o-Xylene	106	9.222	9.222 (1.057)		54866	20.0000	20
85 Styrene	104	9.240	9.240 (1.059)		89714	20.0000	20
83 Butyl Acrylate	73	9.185	9.185 (1.053)		25061	20.0000	20
86 Bromoform	173	9.404	9.404 (1.078)		22752	20.0000	19
87 Amyl Acetate	43	9.356	9.356 (0.892)		41444	20.0000	20
88 Isopropylbenzene	105	9.490	9.490 (1.088)		134833	20.0000	20
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		181671	50.0000	49
90 Camphene (total)	41	9.666	9.666 (1.108)		10130	20.0000	16
91 Bromobenzene	156	9.757	9.757 (0.930)		38081	20.0000	20
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769 (0.932)		41849	20.0000	20
93 1,2,3-Trichloropropene	110	9.812	9.812 (0.936)		13298	20.0000	19
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818 (0.936)		14407	20.0000	20
95 n-Propylbenzene	91	9.794	9.794 (0.934)		167494	20.0000	21
96 2-Chlorotoluene	91	9.885	9.885 (0.943)		110016	20.0000	20
97 1,3,5-Trimethylbenzene	105	9.928	9.928 (0.947)		116038	20.0000	21
98 4-Chlorotoluene	91	9.970	9.970 (0.951)		102780	20.0000	20
99 Butyl Methacrylate	87	9.982	9.982 (0.952)		40827	20.0000	20
184 4-Ethyltoluene	105	9.928	9.928 (1.707)		116038	20.0000	20
100 tert-Butylbenzene	119	10.159	10.159 (0.969)		101456	20.0000	20
101 1,2,4-Trimethylbenzene	105	10.201	10.201 (0.973)		118298	20.0000	20
103 sec-Butylbenzene	105	10.317	10.317 (0.984)		150970	20.0000	21
105 1,3-Dichlorobenzene	146	10.433	10.433 (0.995)		70290	20.0000	20
107 p-Isopropyltoluene	119	10.414	10.414 (0.993)		126178	20.0000	21
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487 (1.000)		229813	50.0000	
109 1,4-Dichlorobenzene	146	10.506	10.506 (1.002)		69529	20.0000	19

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69975.d  
Report Date: 15-Aug-2012 13:31

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT ( ug/L)	ON-COL ( ug/L)
=====	====	=====	=====	=====	=====	=====	=====	
110 Benzyl Chloride	91	10.603	10.603	(1.011)		81555	20.0000	20
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)		77665	20.0000	19
106 n-Butylbenzene	91	10.706	10.706	(1.021)		145079	20.0000	21
171 Indan	117	10.658	10.658	(1.833)		125506	20.0000	19
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)		67929	20.0000	20
182 1,2,4,5-Tetramethylbenzene	119	11.242	11.242	(1.933)		111222	20.0000	19
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)		8897	20.0000	17
114 1,2,4-Trichlorobenzene	180	11.972	11.972	(1.142)		44963	20.0000	19
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)		25863	20.0000	20
116 Naphthalene	128	12.215	12.215	(1.165)		115972	20.0000	22
117 1,2,3-Trichlorobenzene	180	12.440	12.440	(1.186)		37120	20.0000	21
M 120 1,2-Dichloroethene (Total)	100					50519	40.0000	38
M 121 Xylene (Total)	100					162542	60.0000	60

#### QC Flag Legend

M - Compound response manually integrated.

Data File: c69975.d

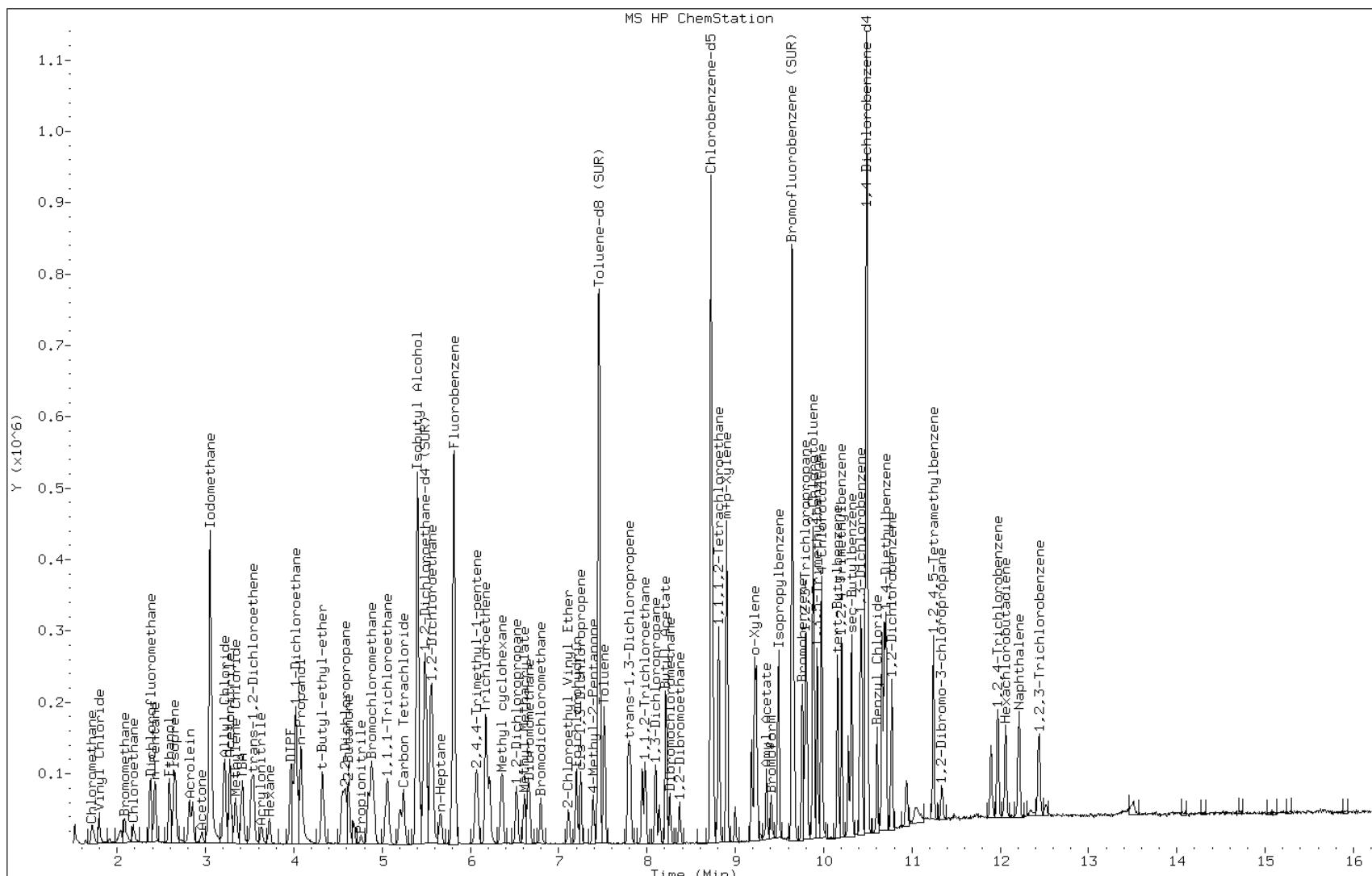
Date: 14-AUG-2012 18:24

Client ID:

Instrument: VOAMS3.i

Sample Info: CCVIS

Operator:



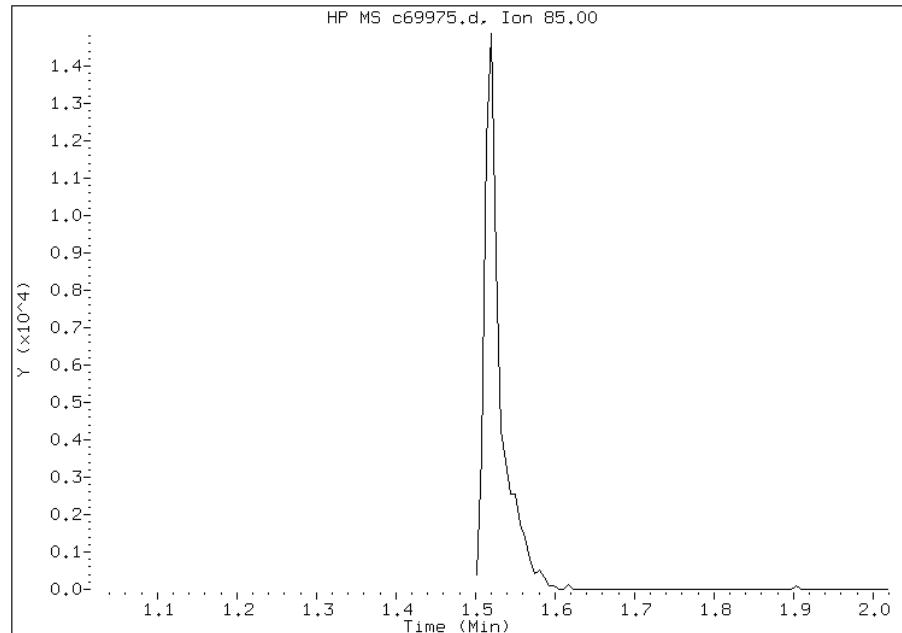
## Manual Integration Report

Data File: c69975.d  
Inj. Date and Time: 14-AUG-2012 18:24  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



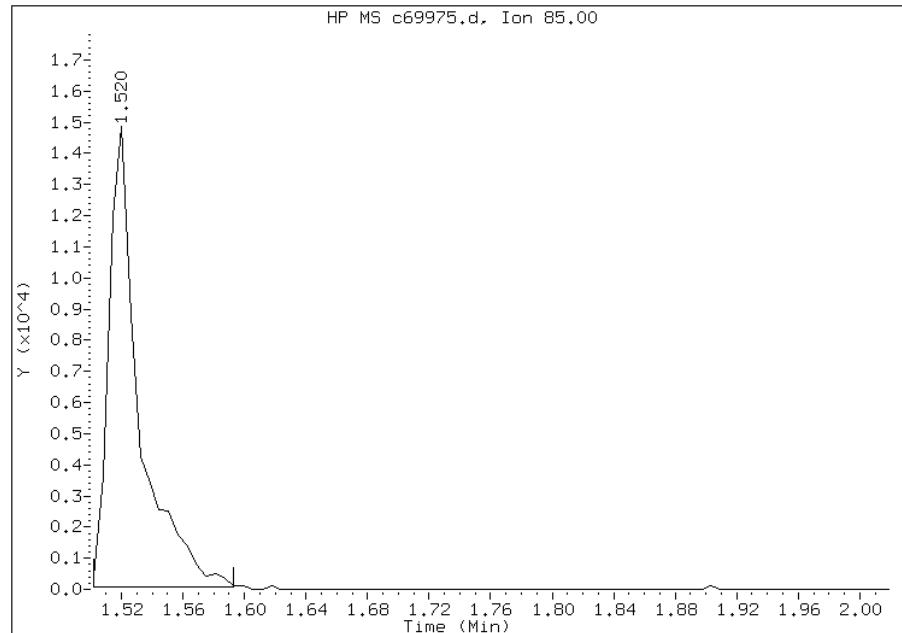
### Manual Integration Results

RT: 1.52

Response: 20524

Amount: 15

Conc: 15



Manually Integrated By: barsoums

Manual Integration Reason: Analyte not Identified by the Data System

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62497.d  
Report Date: 20-Jul-2012 23:19

TestAmerica

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62497.d  
Lab Smp Id: BFB  
Inj Date : 20-JUL-2012 22:55  
Operator : VOAMS 1 Inst ID: VOAMS12.i  
Smp Info : BFB  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/VOABFB.m  
Meth Date : 08-Sep-2011 08:03 desais Quant Type: ISTD  
Cal Date : Cal File:  
Als bottle: 2 QC Sample: BFB  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* Uf \* Vf \* VI \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	==	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4			
2.222	2.100	(0.000)	95	86850	0.00-	100.00	100.00	
2.222	2.100	(0.000)	50	14983	15.00-	40.00	17.25	
2.222	2.100	(0.000)	75	41200	30.00-	60.00	47.44	
2.222	2.100	(0.000)	96	5921	5.00-	9.00	6.82	
2.222	2.100	(0.000)	173	777	0.00-	2.00	0.93	
2.222	2.100	(0.000)	174	83877	50.00-	100.00	96.58	
2.222	2.100	(0.000)	175	6260	5.00-	9.00	7.46	
2.222	2.100	(0.000)	176	84541	95.00-	101.00	100.79	
2.222	2.100	(0.000)	177	4957	5.00-	9.00	5.86	

Data File: o62497.d

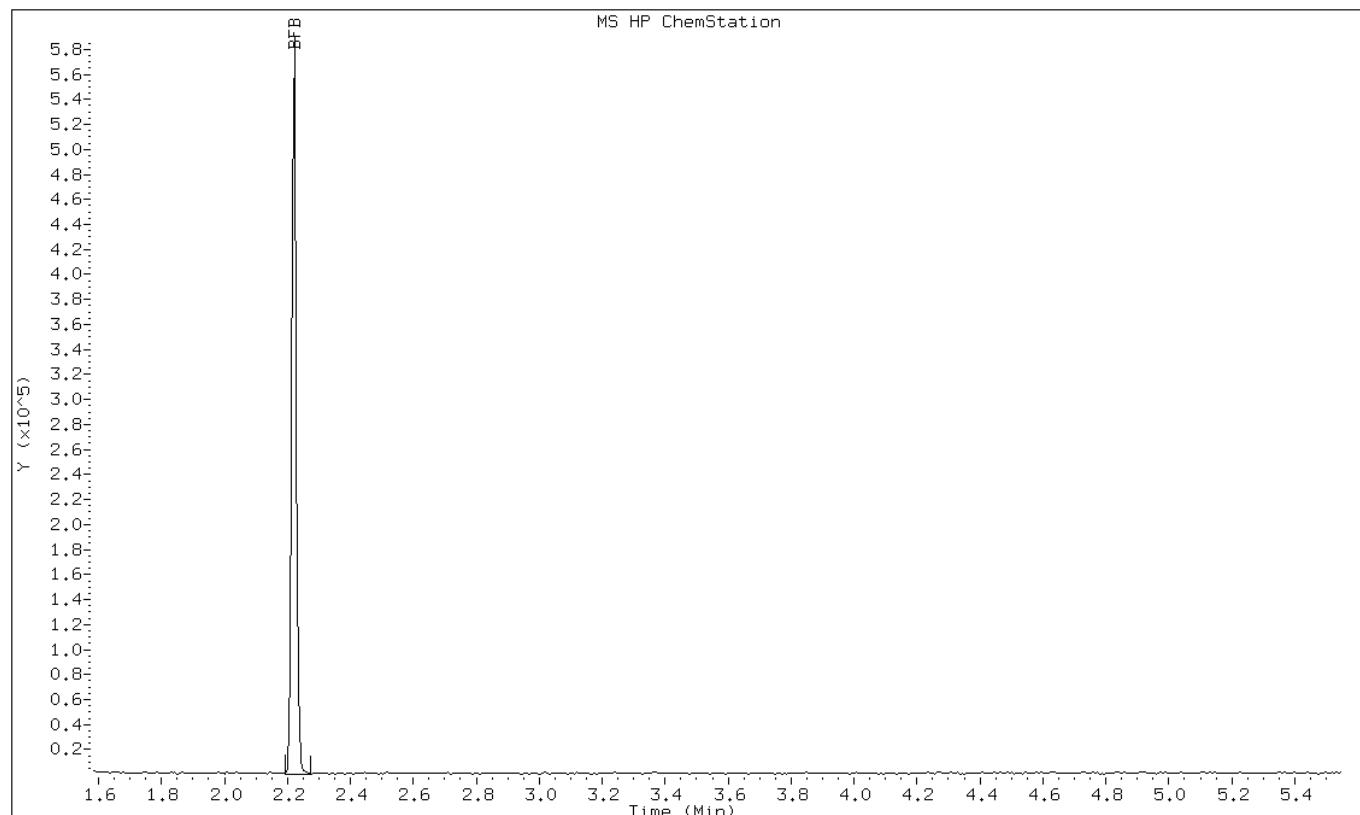
Date: 20-JUL-2012 22:55

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1



Data File: o62497.d

Date: 20-JUL-2012 22:55

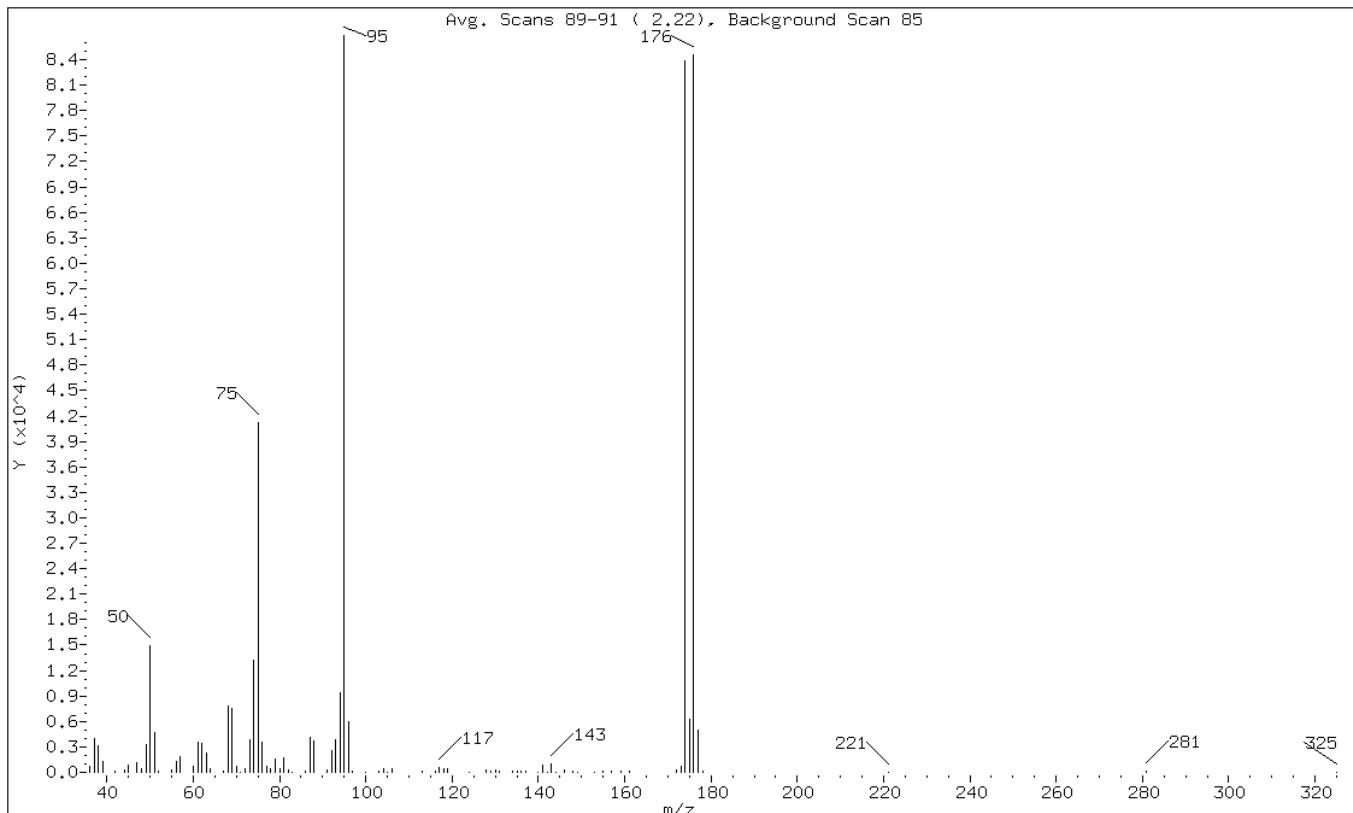
Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.25
75	30.00 - 60.00% of mass 95	47.44
96	5.00 - 9.00% of mass 95	6.82
173	Less than 2.00% of mass 174	0.89 ( 0.93)
174	50.00 - 100.00% of mass 95	96.58
175	5.00 - 9.00% of mass 174	7.21 ( 7.46)
176	95.00 - 101.00% of mass 174	97.34 (100.79)
177	5.00 - 9.00% of mass 176	5.71 ( 5.86)

Data File: o62497.d

Date: 20-JUL-2012 22:55

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/20jul12.b/o62497.d

Spectrum: Avg. Scans 89-91 ( 2.22 ), Background Scan 85

Location of Maximum: 95.00

Number of points: 90

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	727	69.00	7528	96.00	5921	142.00	50
37.00	3920	70.00	771	97.00	207	143.00	1049
38.00	3160	71.00	62	100.00	57	144.00	64
39.00	1220	72.00	418	103.00	122	146.00	330
42.00	111	73.00	3896	104.00	457	148.00	92
44.00	231	74.00	13217	105.00	52	149.00	71
45.00	879	75.00	41200	106.00	379	153.00	52
47.00	1103	76.00	3566	113.00	153	155.00	126
48.00	485	77.00	662	116.00	212	157.00	152
49.00	3214	78.00	459	117.00	508	159.00	102
50.00	14983	79.00	1503	118.00	377	161.00	81
51.00	4712	80.00	490	119.00	402	172.00	281
52.00	132	81.00	1729	124.00	68	173.00	777
55.00	218	82.00	308	128.00	352	174.00	83872
56.00	1298	83.00	55	129.00	147	175.00	6260
57.00	1808	86.00	97	130.00	303	176.00	84536
60.00	714	87.00	4089	131.00	186	177.00	4957
61.00	3491	88.00	3705	134.00	92	178.00	150
62.00	3370	91.00	262	135.00	125	221.00	61
63.00	2313	92.00	2549	136.00	96	281.00	94
64.00	411	93.00	3872	137.00	145	325.00	50
67.00	144	94.00	9432	140.00	54		
68.00	7749	95.00	86848	141.00	788		

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63291.d  
Report Date: 10-Aug-2012 20:29

TestAmerica

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63291.d  
Lab Smp Id: BFB  
Inj Date : 10-AUG-2012 19:57  
Operator : VOAMS 1 Inst ID: VOAMS12.i  
Smp Info : BFB  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/VOABFB.m  
Meth Date : 08-Sep-2011 08:03 desais Quant Type: ISTD  
Cal Date : Cal File:  
Als bottle: 2 QC Sample: BFB  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* Uf \* Vf \* VI \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	==	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4			
2.201	2.100	(0.000)	95	48144	0.00-	100.00	100.00	
2.201	2.100	(0.000)	50	8304	15.00-	40.00	17.25	
2.201	2.100	(0.000)	75	22520	30.00-	60.00	46.78	
2.201	2.100	(0.000)	96	3279	5.00-	9.00	6.81	
2.201	2.100	(0.000)	173	75	0.00-	2.00	0.18	
2.201	2.100	(0.000)	174	42520	50.00-	100.00	88.32	
2.201	2.100	(0.000)	175	3414	5.00-	9.00	8.03	
2.201	2.100	(0.000)	176	42080	95.00-	101.00	98.97	
2.201	2.100	(0.000)	177	2785	5.00-	9.00	6.62	

Data File: o63291.d

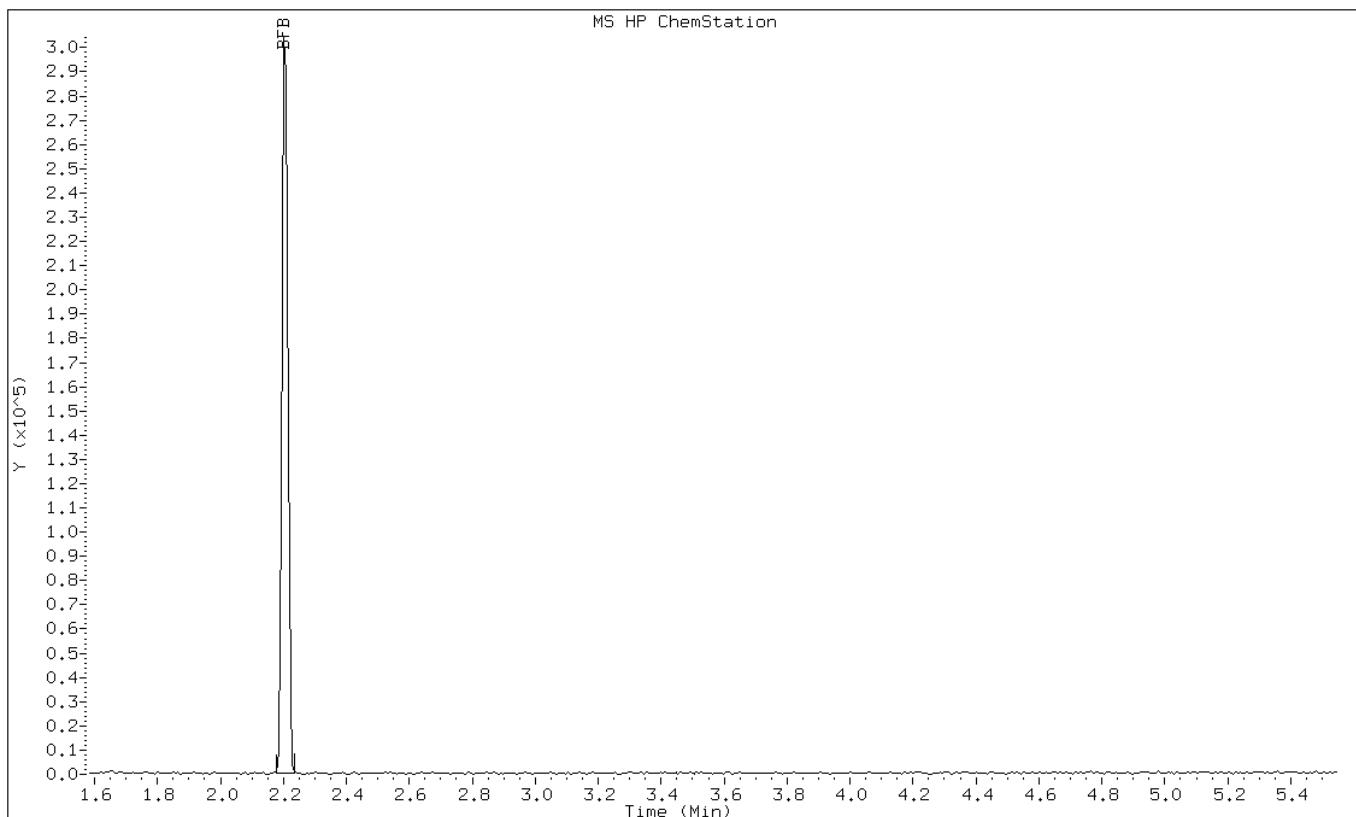
Date: 10-AUG-2012 19:57

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1



Data File: o63291.d

Date: 10-AUG-2012 19:57

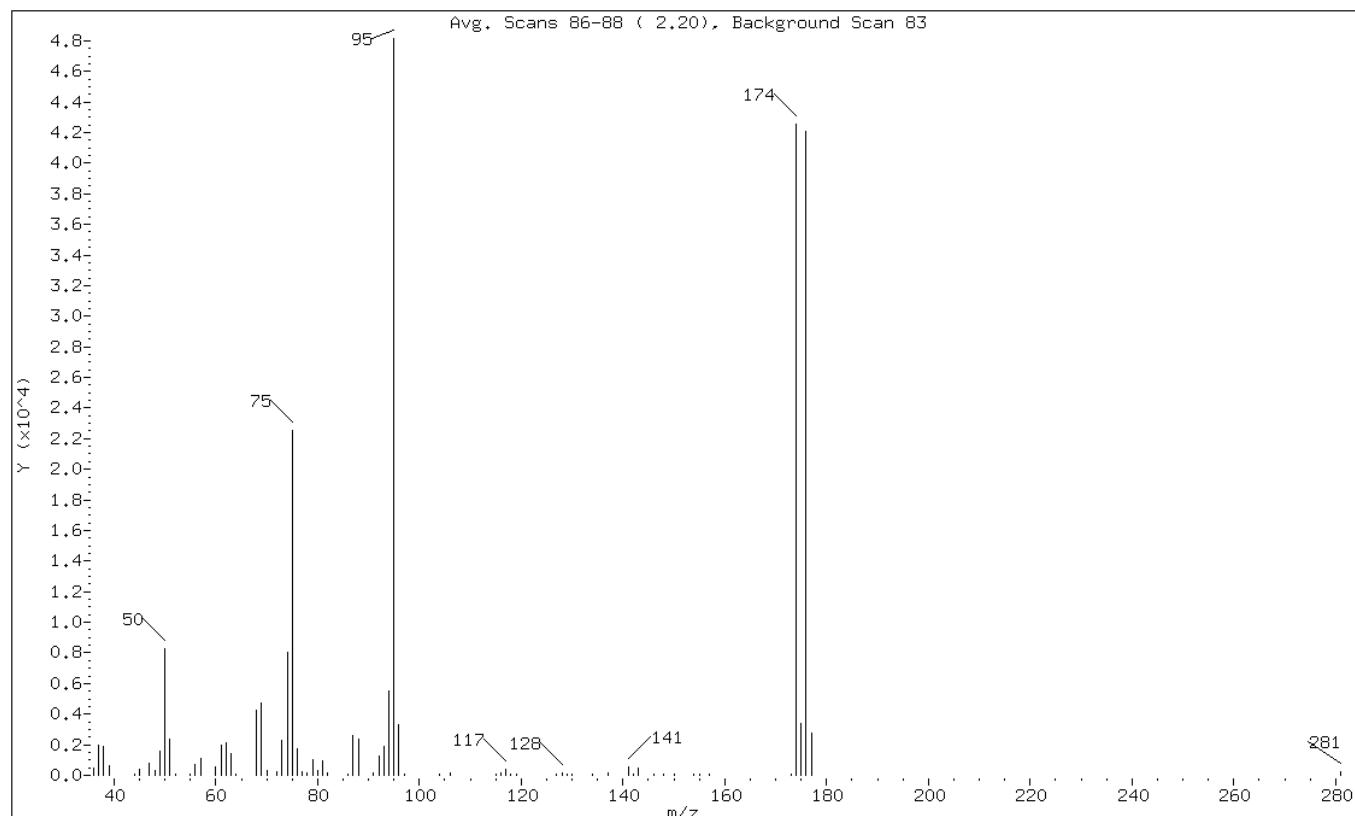
Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.25
75	30.00 - 60.00% of mass 95	46.78
96	5.00 - 9.00% of mass 95	6.81
173	Less than 2.00% of mass 174	0.16 ( 0.18)
174	50.00 - 100.00% of mass 95	88.32
175	5.00 - 9.00% of mass 174	7.09 ( 8.03)
176	95.00 - 101.00% of mass 174	87.40 ( 98.97)
177	5.00 - 9.00% of mass 176	5.78 ( 6.62)

Data File: o63291.d

Date: 10-AUG-2012 19:57

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63291.d

Spectrum: Avg. Scans 86-88 ( 2.20 ), Background Scan 83

Location of Maximum: 95.00

Number of points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	470	64.00	86	92.00	1254	141.00	513
37.00	1997	68.00	4238	93.00	1899	142.00	103
38.00	1862	69.00	4741	94.00	5538	143.00	446
39.00	612	70.00	342	95.00	48144	146.00	73
44.00	115	72.00	222	96.00	3279	148.00	54
45.00	405	73.00	2267	97.00	53	150.00	62
47.00	772	74.00	8061	104.00	109	154.00	71
48.00	334	75.00	22520	106.00	172	155.00	85
49.00	1567	76.00	1769	115.00	110	157.00	67
50.00	8304	77.00	245	116.00	138	173.00	75
51.00	2363	78.00	153	117.00	365	174.00	42520
52.00	102	79.00	996	118.00	60	175.00	3414
55.00	91	80.00	302	119.00	66	176.00	42080
56.00	714	81.00	926	127.00	86	177.00	2785
57.00	1136	82.00	168	128.00	164	281.00	203
60.00	546	86.00	63	129.00	94		
61.00	1973	87.00	2597	130.00	112		
62.00	2091	88.00	2333	134.00	67		
63.00	1436	91.00	145	137.00	136		

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69952.d  
Report Date: 14-Aug-2012 06:54

TestAmerica

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69952.d  
Lab Smp Id: BFB  
Inj Date : 14-AUG-2012 06:44  
Operator : VOAMS 1 Inst ID: VOAMS3.i  
Smp Info : BFB  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/VOABFB.m  
Meth Date : 19-Jul-2012 01:10 sylvanus Quant Type: ISTD  
Cal Date : Cal File:  
Als bottle: 2 QC Sample: BFB  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* Uf \* Vf \* VI \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS							
RT	EXP RT	(REL RT)	MASS	RESPONSE	( ug/L)	ON-COL ( ug/L)	FINAL
==	=====	=====	==	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4		
4.607	4.670	(0.000)	95	184768	0.00-	100.00	100.00
4.607	4.670	(0.000)	50	36712	15.00-	40.00	19.87
4.607	4.670	(0.000)	75	93397	30.00-	60.00	50.55
4.607	4.670	(0.000)	96	10355	5.00-	9.00	5.60
4.607	4.670	(0.000)	173	2693	0.00-	2.00	1.59
4.607	4.670	(0.000)	174	169802	50.00-	100.00	91.90
4.607	4.670	(0.000)	175	14006	5.00-	9.00	8.25
4.607	4.670	(0.000)	176	170909	95.00-	101.00	100.65
4.607	4.670	(0.000)	177	11280	5.00-	9.00	6.60

Data File: c69952.d

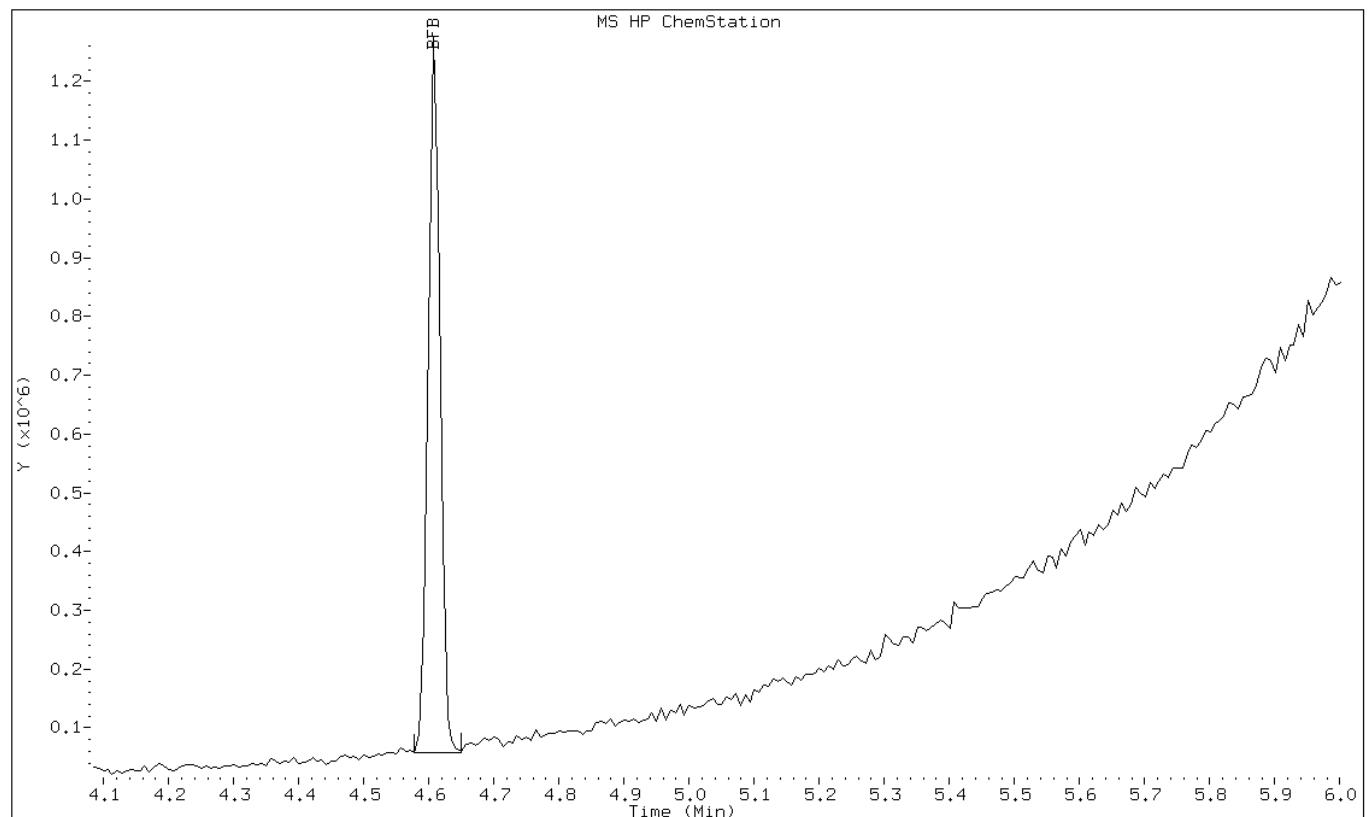
Date: 14-AUG-2012 06:44

Client ID:

Instrument: VOAMS3.i

Sample Info: BFB

Operator: VOAMS 1



Data File: c69952.d

Date: 14-AUG-2012 06:44

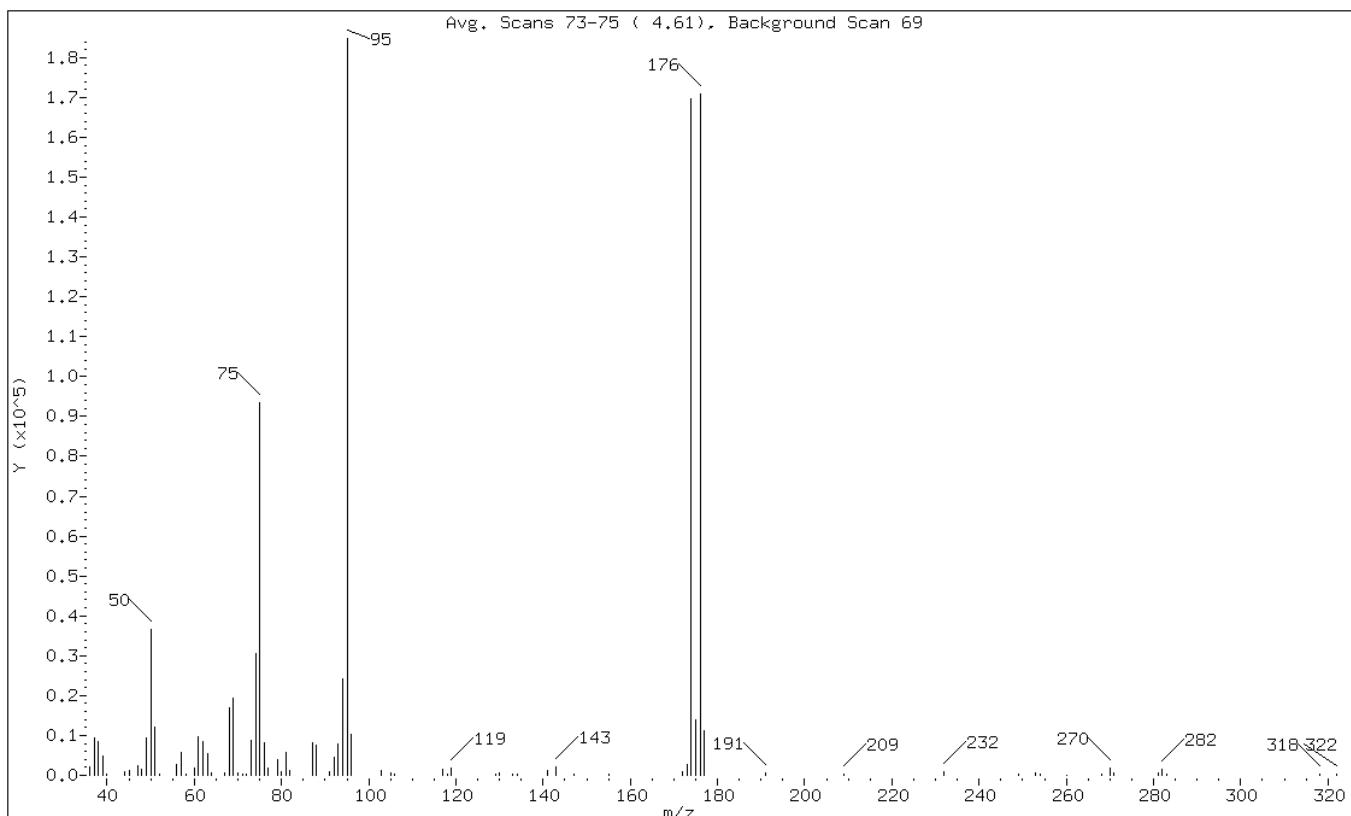
Client ID:

Instrument: VOAMS3.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.87
75	30.00 - 60.00% of mass 95	50.55
96	5.00 - 9.00% of mass 95	5.60
173	Less than 2.00% of mass 174	1.46 ( 1.59)
174	50.00 - 100.00% of mass 95	91.90
175	5.00 - 9.00% of mass 174	7.58 ( 8.25)
176	95.00 - 101.00% of mass 174	92.50 (100.65)
177	5.00 - 9.00% of mass 176	6.10 ( 6.60)

Data File: c69952.d

Date: 14-AUG-2012 06:44

Client ID:

Instrument: VOAMS3.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b/c69952.d

Spectrum: Avg. Scans 73-75 ( 4.61), Background Scan 69

Location of Maximum: 95.00

Number of points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2168	64.00	577	93.00	7886	174.00	169792
37.00	9360	67.00	681	94.00	24280	175.00	14006
38.00	8594	68.00	16968	95.00	184768	176.00	170880
39.00	4833	69.00	19488	96.00	10355	177.00	11280
40.00	183	70.00	746	103.00	1232	191.00	697
44.00	1025	71.00	355	105.00	499	209.00	267
45.00	1092	72.00	380	106.00	345	232.00	787
47.00	2430	73.00	8856	117.00	1369	249.00	362
48.00	1621	74.00	30544	118.00	412	253.00	754
49.00	9360	75.00	93392	119.00	1678	254.00	403
50.00	36712	76.00	8052	129.00	382	260.00	87
51.00	11962	77.00	1732	130.00	645	268.00	381
52.00	358	79.00	4014	133.00	304	270.00	1944
56.00	2785	80.00	1021	134.00	398	271.00	534
57.00	5806	81.00	5657	141.00	1175	281.00	744
58.00	392	82.00	1107	143.00	2114	282.00	1443
60.00	1831	87.00	8231	147.00	366	283.00	353
61.00	9787	88.00	7628	155.00	338	318.00	365
62.00	8616	91.00	1032	172.00	796	322.00	427
63.00	5529	92.00	4652	173.00	2693		

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69974.d  
Report Date: 14-Aug-2012 20:31

TestAmerica

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69974.d  
Lab Smp Id: BFB  
Inj Date : 14-AUG-2012 18:06  
Operator : VOAMS 1 Inst ID: VOAMS3.i  
Smp Info : BFB  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/VOABFB.m  
Meth Date : 19-Jul-2012 01:10 sylvanus Quant Type: ISTD  
Cal Date : Cal File:  
Als bottle: 2 QC Sample: BFB  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* Uf \* Vf \* VI \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

CONCENTRATIONS								
RT	EXP RT	(REL RT)	MASS	RESPONSE	( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	==	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4			
4.600	4.670	(0.000)	95	46696	0.00-	100.00	100.00	
4.600	4.670	(0.000)	50	8877	15.00-	40.00	19.01	
4.600	4.670	(0.000)	75	23096	30.00-	60.00	49.46	
4.600	4.670	(0.000)	96	3642	5.00-	9.00	7.80	
4.600	4.670	(0.000)	173	0	0.00-	2.00	0.00	
4.600	4.670	(0.000)	174	43733	50.00-	100.00	93.65	
4.600	4.670	(0.000)	175	3306	5.00-	9.00	7.56	
4.600	4.670	(0.000)	176	43906	95.00-	101.00	100.40	
4.600	4.670	(0.000)	177	3612	5.00-	9.00	8.23	

Data File: c69974.d

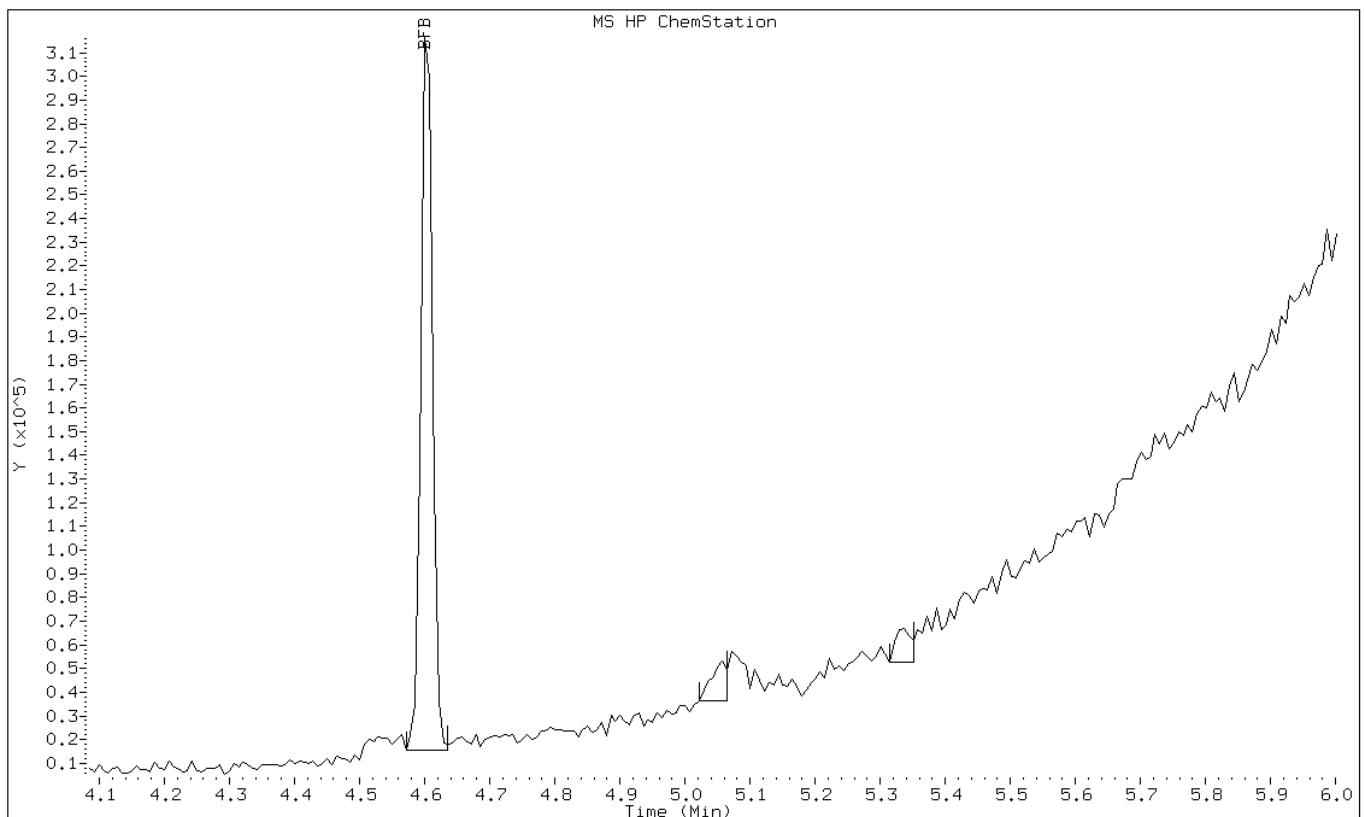
Date: 14-AUG-2012 18:06

Client ID:

Instrument: VOAMS3.i

Sample Info: BFB

Operator: VOAMS 1



Data File: c69974.d

Date: 14-AUG-2012 18:06

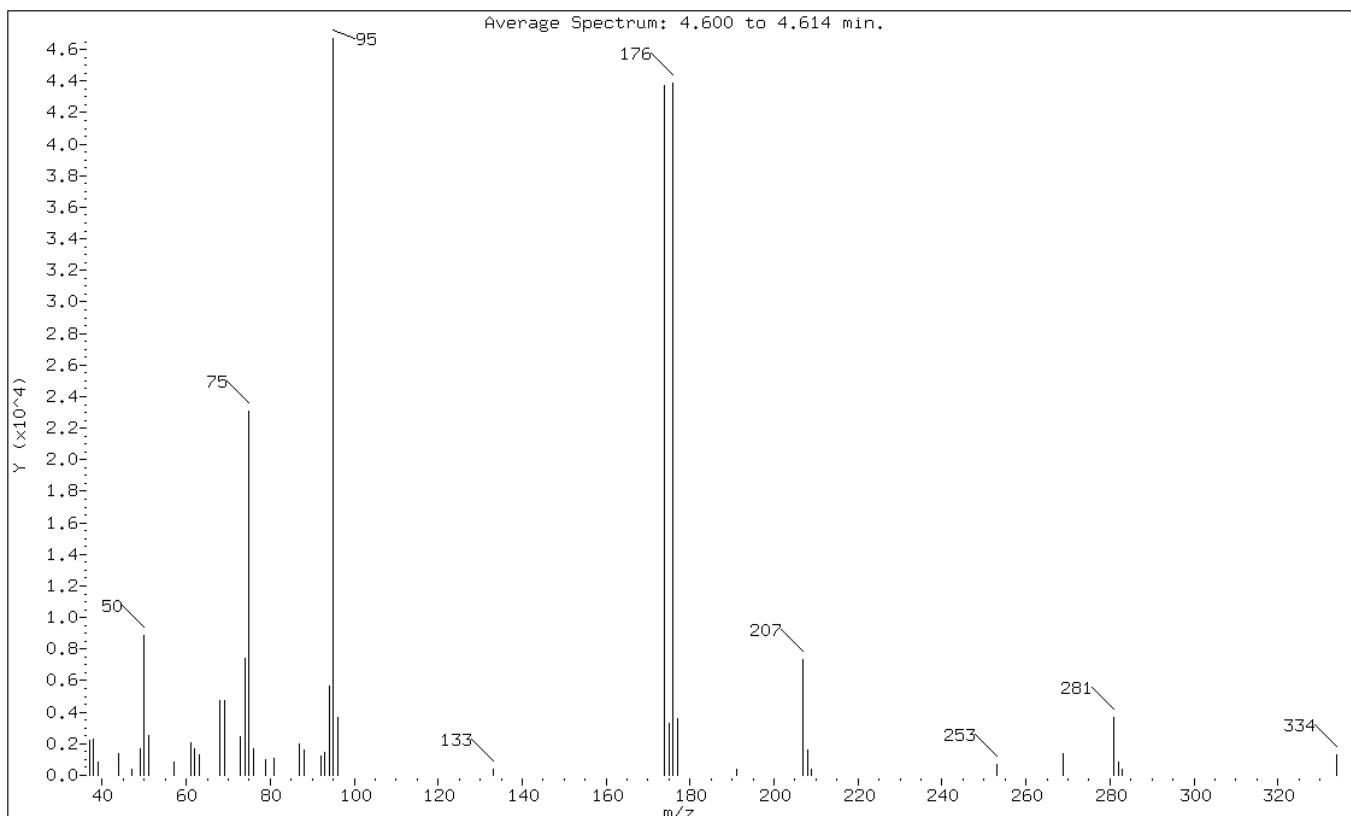
Client ID:

Instrument: VOAMS3.i

Sample Info: BFB

Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.01
75	30.00 - 60.00% of mass 95	49.46
96	5.00 - 9.00% of mass 95	7.80
173	Less than 2.00% of mass 174	0.00 ( 0.00 )
174	50.00 - 100.00% of mass 95	93.65
175	5.00 - 9.00% of mass 174	7.08 ( 7.56 )
176	95.00 - 101.00% of mass 174	94.03 (100.40)
177	5.00 - 9.00% of mass 176	7.74 ( 8.23 )

Data File: c69974.d

Date: 14-AUG-2012 18:06

Client ID:

Instrument: VOAMS3.i

Sample Info: BFB

Operator: VOAMS 1

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69974.d

Spectrum: Average Spectrum: 4.600 to 4.614 min.

Location of Maximum: 95.00

Number of points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2198	63.00	1291	92.00	1229	207.00	7304
38.00	2312	68.00	4710	93.00	1472	208.00	1584
39.00	838	69.00	4737	94.00	5628	209.00	397
44.00	1369	73.00	2463	95.00	46696	253.00	709
47.00	394	74.00	7391	96.00	3642	269.00	1411
49.00	1681	75.00	23096	133.00	365	281.00	3676
50.00	8877	76.00	1666	174.00	43728	282.00	869
51.00	2486	79.00	992	175.00	3306	283.00	392
57.00	857	81.00	1034	176.00	43904	334.00	1263
61.00	2061	87.00	2012	177.00	3612		
62.00	1675	88.00	1633	191.00	351		

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123595/5  
 Matrix: Solid Lab File ID: o63298.d  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 08/11/2012 00:10  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.16	U	1.0	0.16
74-83-9	Bromomethane	0.43	U	1.0	0.43
75-01-4	Vinyl chloride	0.34	U	1.0	0.34
75-00-3	Chloroethane	0.33	U	1.0	0.33
75-09-2	Methylene Chloride	0.15	U	1.0	0.15
67-64-1	Acetone	2.40	J	10	1.7
75-15-0	Carbon disulfide	0.15	U	1.0	0.15
75-69-4	Trichlorofluoromethane	0.254	J	1.0	0.16
75-35-4	1,1-Dichloroethene	0.19	U	1.0	0.19
75-34-3	1,1-Dichloroethane	0.11	U	1.0	0.11
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.11	U	1.0	0.11
67-66-3	Chloroform	0.24	U	1.0	0.24
78-93-3	2-Butanone	0.63	U	10	0.63
107-06-2	1,2-Dichloroethane	0.18	U	1.0	0.18
71-55-6	1,1,1-Trichloroethane	0.13	U	1.0	0.13
56-23-5	Carbon tetrachloride	0.15	U	1.0	0.15
71-43-2	Benzene	0.15	U	1.0	0.15
75-25-2	Bromoform	0.17	U	1.0	0.17
100-42-5	Styrene	0.28	U	1.0	0.28
179601-23-1	m&p-Xylene	0.59	U	2.0	0.59
95-47-6	o-Xylene	0.19	U	1.0	0.19
100-41-4	Ethylbenzene	0.17	U	1.0	0.17
108-90-7	Chlorobenzene	0.18	U	1.0	0.18
110-82-7	Cyclohexane	0.13	U	1.0	0.13
98-82-8	Isopropylbenzene	0.11	U	1.0	0.11
591-78-6	2-Hexanone	0.13	U	10	0.13
1634-04-4	MTBE	0.11	U	1.0	0.11
76-13-1	Freon TF	0.11	U	1.0	0.11
79-20-9	Methyl acetate	0.32	U	1.0	0.32
123-91-1	1,4-Dioxane	13	U	50	13
79-01-6	Trichloroethene	0.12	U	1.0	0.12
108-88-3	Toluene	0.14	U	1.0	0.14
10061-02-6	trans-1,3-Dichloropropene	0.10	U	1.0	0.10
108-10-1	4-Methyl-2-pentanone	0.20	U	10	0.20
10061-01-5	cis-1,3-Dichloropropene	0.14	U	1.0	0.14

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123595/5  
Matrix: Solid Lab File ID: o63298.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/11/2012 00:10  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.10	U	1.0	0.10
541-73-1	1,3-Dichlorobenzene	0.16	U	1.0	0.16
106-46-7	1,4-Dichlorobenzene	0.11	U	1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	0.19	U	1.0	0.19
87-61-6	1,2,3-Trichlorobenzene	0.16	U	1.0	0.16
78-87-5	1,2-Dichloropropane	0.15	U	1.0	0.15
108-87-2	Methylcyclohexane	0.10	U	1.0	0.10
127-18-4	Tetrachloroethene	0.12	U	1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	0.44	U	1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	0.090	U	1.0	0.090
79-00-5	1,1,2-Trichloroethane	0.14	U	1.0	0.14
124-48-1	Dibromochloromethane	0.10	U	1.0	0.10
106-93-4	1,2-Dibromoethane	0.15	U	1.0	0.15
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-97-5	Bromochloromethane	0.11	U	1.0	0.11
75-27-4	Bromodichloromethane	0.32	U	1.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130
460-00-4	Bromofluorobenzene	102		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63298.d  
Report Date: 14-Aug-2012 10:11

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63298.d  
Lab Smp Id: MB  
Inj Date : 11-AUG-2012 00:10  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : MB  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 7  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.23000	Weight of sample extracted (g)
M	19.33962	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
9 Trichlorofluoromethane	101	1.346	1.338	( 0.363 )		1489	0.25384	0.30(aH)
7 Acetone	43	1.661	1.661	( 0.448 )		1868	2.40046	2.8(a)
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.416	3.408	( 0.921 )		95962	45.9949	54
* 69 Fluorobenzene	96	3.709	3.702	( 1.000 )		507787	50.0000	
\$ 37 Toluene-d8 (SUR)	98	5.385	5.385	( 0.741 )		388188	49.0957	58
* 32 Chlorobenzene-d5	117	7.269	7.269	( 1.000 )		389822	50.0000	
\$ 41 Bromofluorobenzene (SUR)	174	9.074	9.074	( 0.830 )		162103	50.8253	60
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	( 1.000 )		227669	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).  
H - Operator selected an alternate compound hit.

Data File: o63298.d

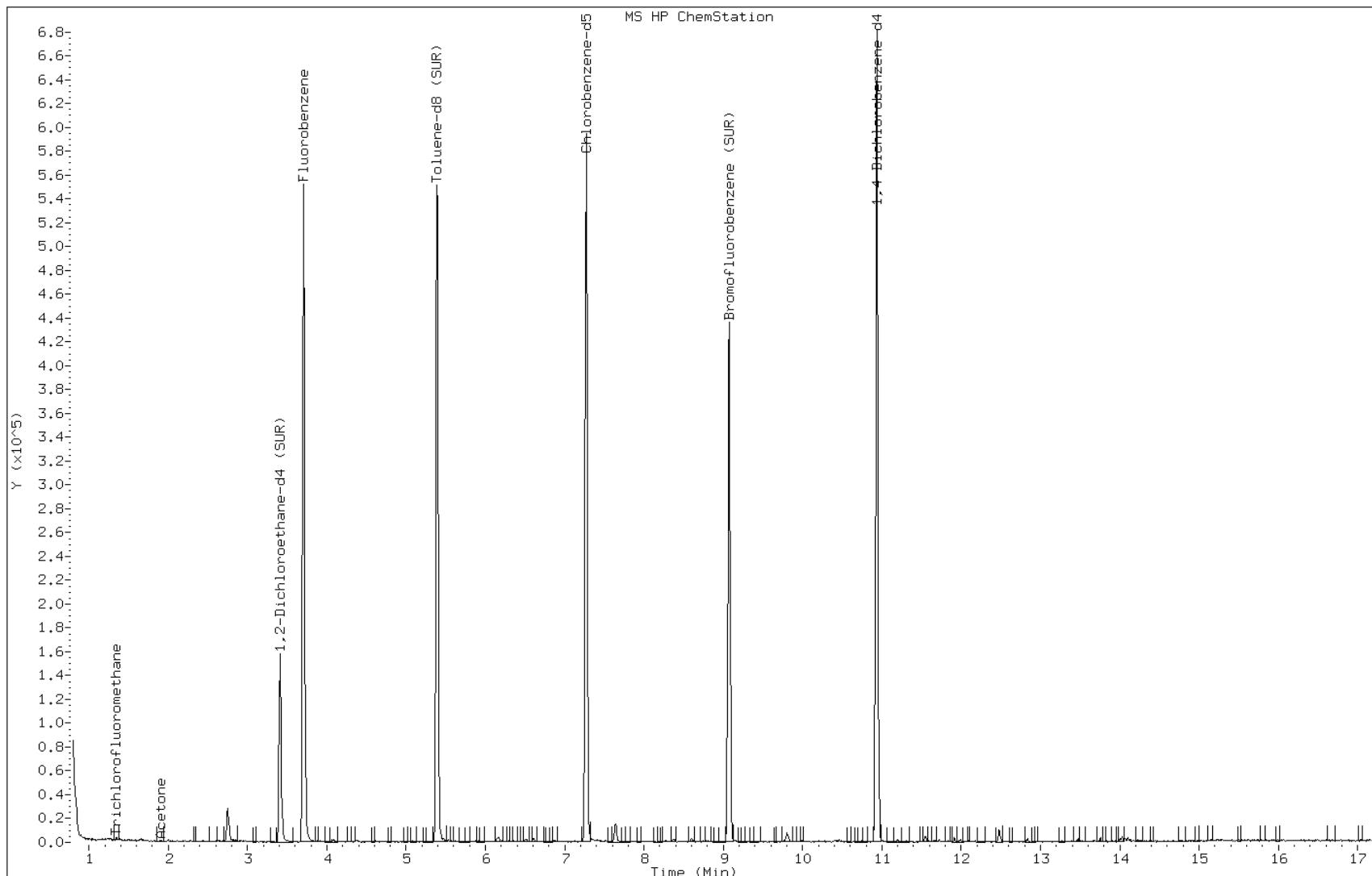
Date: 11-AUG-2012 00:10

Client ID:

Instrument: VOAMS12.i

Sample Info: MB

Operator: VOAMS 9



Data File: o63298.d

Date: 11-AUG-2012 00:10

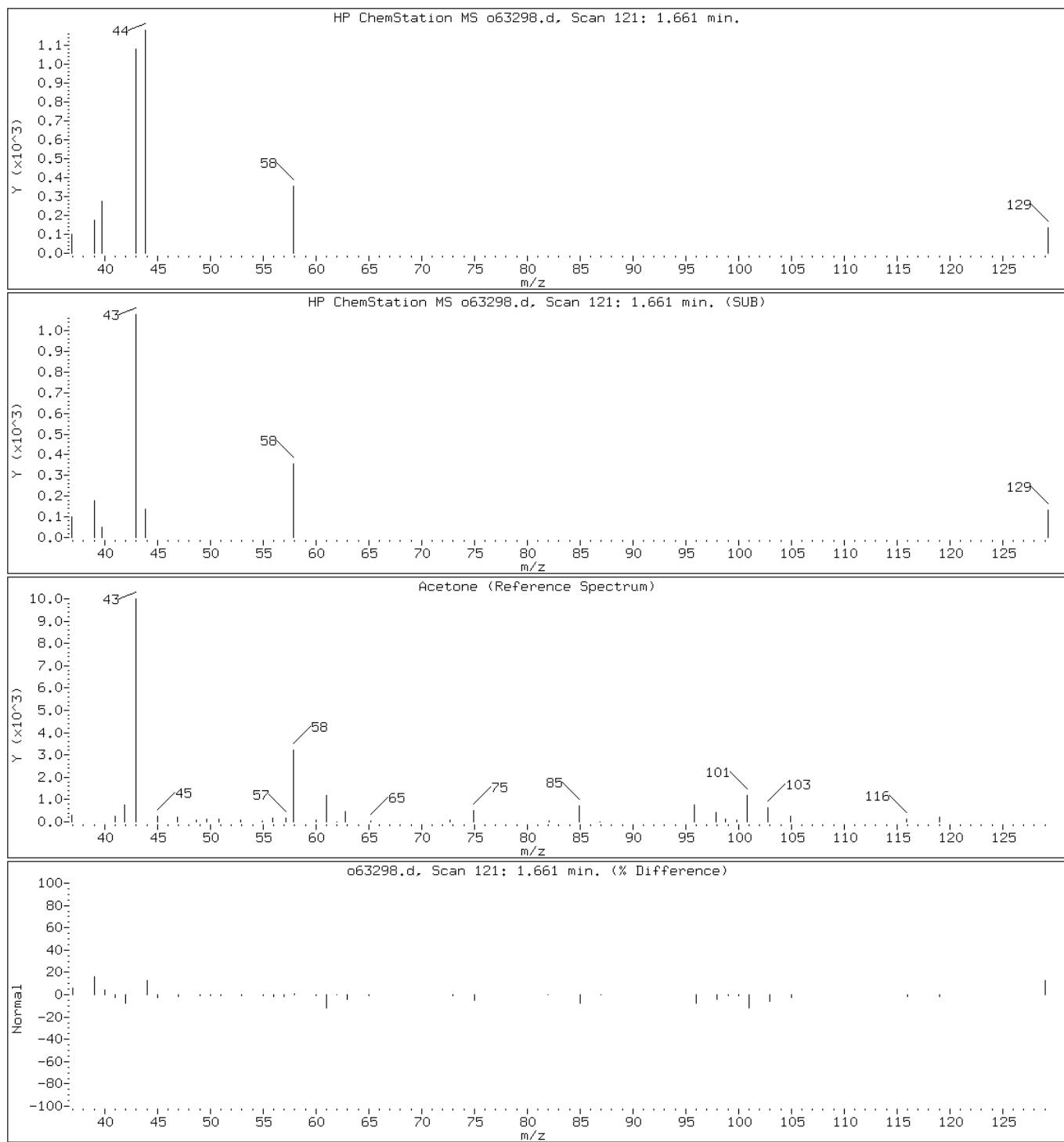
Client ID:

Instrument: VOAMS12.i

Sample Info: MB

Operator: VOAMS 9

7 Acetone



Data File: o63298.d

Date: 11-AUG-2012 00:10

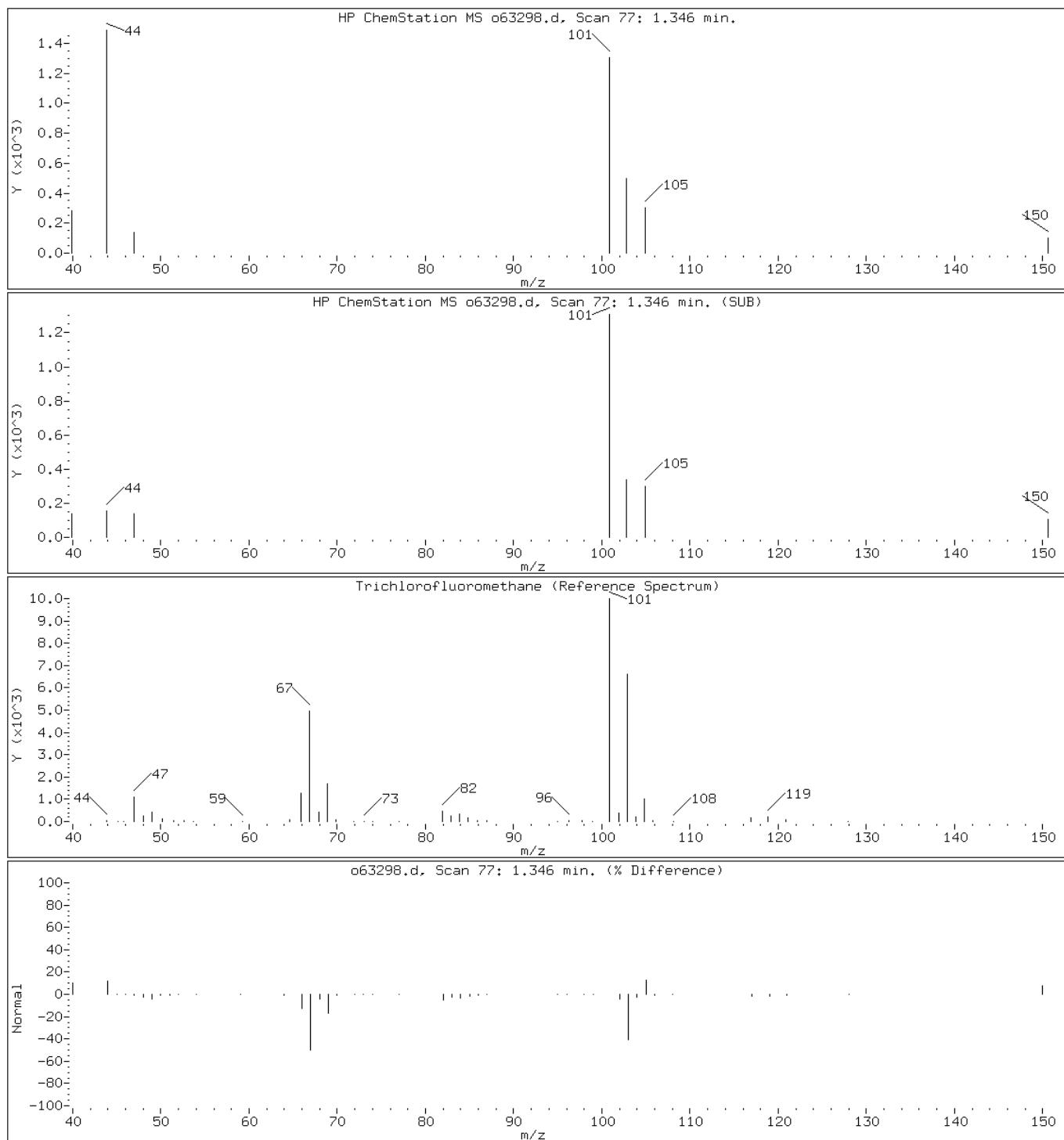
Client ID:

Instrument: VOAMS12.i

Sample Info: MB

Operator: VOAMS 9

9 Trichlorofluoromethane



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-124070/4  
 Matrix: Water Lab File ID: c69979.d  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 08/14/2012 20:44  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.10	U	1.0	0.10
74-83-9	Bromomethane	0.18	U	1.0	0.18
75-01-4	Vinyl chloride	0.14	U	1.0	0.14
75-00-3	Chloroethane	0.17	U	1.0	0.17
75-09-2	Methylene Chloride	0.18	U	1.0	0.18
67-64-1	Acetone	2.7	U	5.0	2.7
75-15-0	Carbon disulfide	0.13	U	1.0	0.13
75-69-4	Trichlorofluoromethane	0.15	U	1.0	0.15
75-35-4	1,1-Dichloroethene	0.090	U	1.0	0.090
75-34-3	1,1-Dichloroethane	0.13	U	1.0	0.13
156-60-5	trans-1,2-Dichloroethene	0.13	U	1.0	0.13
156-59-2	cis-1,2-Dichloroethene	0.18	U	1.0	0.18
67-66-3	Chloroform	0.080	U	1.0	0.080
78-93-3	2-Butanone	2.3	U	5.0	2.3
107-06-2	1,2-Dichloroethane	0.19	U	1.0	0.19
71-55-6	1,1,1-Trichloroethane	0.060	U	1.0	0.060
56-23-5	Carbon tetrachloride	0.060	U	1.0	0.060
71-43-2	Benzene	0.080	U	1.0	0.080
75-25-2	Bromoform	0.19	U	1.0	0.19
100-42-5	Styrene	0.12	U	1.0	0.12
179601-23-1	m&p-Xylene	0.25	U	2.0	0.25
95-47-6	o-Xylene	0.13	U	1.0	0.13
100-41-4	Ethylbenzene	0.10	U	1.0	0.10
108-90-7	Chlorobenzene	0.11	U	1.0	0.11
110-82-7	Cyclohexane	0.16	U	1.0	0.16
98-82-8	Isopropylbenzene	0.080	U	1.0	0.080
591-78-6	2-Hexanone	0.50	U	5.0	0.50
1634-04-4	MTBE	0.14	U	1.0	0.14
76-13-1	Freon TF	0.080	U	1.0	0.080
79-20-9	Methyl acetate	0.34	U	2.0	0.34
123-91-1	1,4-Dioxane	36	U	50	36
79-01-6	Trichloroethene	0.090	U	1.0	0.090
108-88-3	Toluene	0.15	U	1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	0.24	U	1.0	0.24
108-10-1	4-Methyl-2-pentanone	0.99	U	5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	0.18	U	1.0	0.18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-124070/4  
Matrix: Water Lab File ID: c69979.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/14/2012 20:44  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	0.21	U	1.0	0.21
541-73-1	1,3-Dichlorobenzene	0.14	U	1.0	0.14
106-46-7	1,4-Dichlorobenzene	0.23	U	1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	0.34	U	1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.51	U	1.0	0.51
78-87-5	1,2-Dichloropropane	0.090	U	1.0	0.090
108-87-2	Methylcyclohexane	0.14	U	1.0	0.14
127-18-4	Tetrachloroethene	0.10	U	1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	0.40	U	1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	0.16	U	1.0	0.16
79-00-5	1,1,2-Trichloroethane	0.19	U	1.0	0.19
124-48-1	Dibromochloromethane	0.20	U	1.0	0.20
106-93-4	1,2-Dibromoethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.22	U	1.0	0.22
74-97-5	Bromochloromethane	0.27	U	1.0	0.27
75-27-4	Bromodichloromethane	0.12	U	1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-130
2037-26-5	Toluene-d8 (Surr)	102		70-130
460-00-4	Bromofluorobenzene	100		70-130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69979.d  
Report Date: 15-Aug-2012 11:43

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69979.d  
Lab Smp Id: MB  
Inj Date : 14-AUG-2012 20:44  
Operator : Inst ID: VOAMS3.i  
Smp Info : MB  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:38 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 6 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.493 (0.946)		151203	49.7140	50
* 52 Fluorobenzene	96	5.809	5.815 (1.000)		534121	50.0000	
\$ 65 Toluene-d8 (SUR)	98	7.451	7.458 (0.854)		440413	50.9526	51
* 78 Chlorobenzene-d5	117	8.723	8.723 (1.000)		415603	50.0000	
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		177527	49.8954	50
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487 (1.000)		218810	50.0000	

Data File: c69979.d

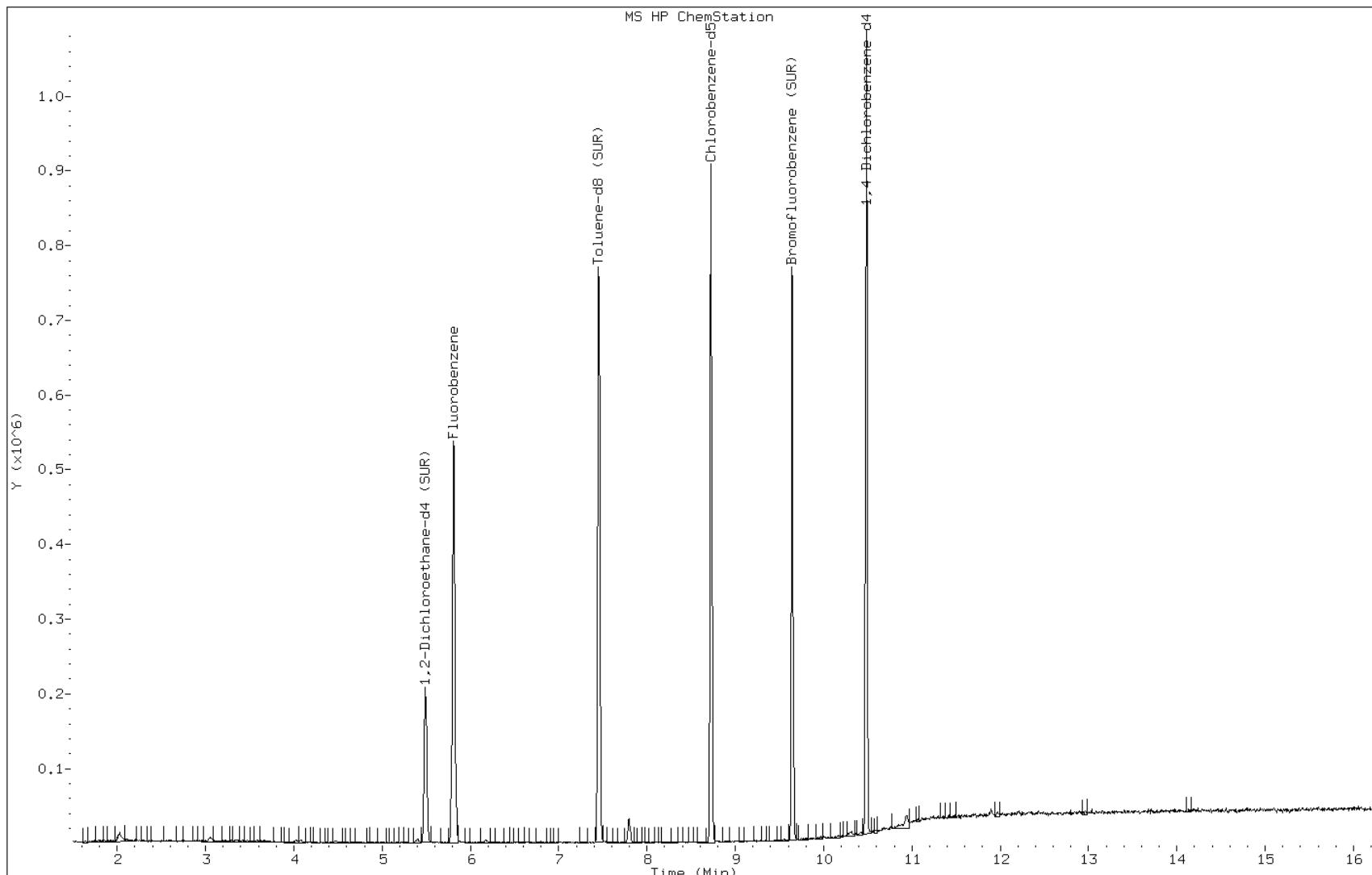
Date: 14-AUG-2012 20:44

Client ID:

Instrument: VOAMS3.i

Sample Info: MB

Operator:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123595/3  
Matrix: Solid Lab File ID: o63294.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/10/2012 21:38  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	17.3		1.0	0.16
74-83-9	Bromomethane	19.5		1.0	0.43
75-01-4	Vinyl chloride	19.2		1.0	0.34
75-00-3	Chloroethane	23.6		1.0	0.33
75-09-2	Methylene Chloride	23.2		1.0	0.15
67-64-1	Acetone	23.4		10	1.7
75-15-0	Carbon disulfide	14.2		1.0	0.15
75-69-4	Trichlorofluoromethane	19.1		1.0	0.16
75-35-4	1,1-Dichloroethene	19.2		1.0	0.19
75-34-3	1,1-Dichloroethane	20.3		1.0	0.11
156-60-5	trans-1,2-Dichloroethene	20.0		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.11
67-66-3	Chloroform	20.6		1.0	0.24
78-93-3	2-Butanone	23.2		10	0.63
107-06-2	1,2-Dichloroethane	20.3		1.0	0.18
71-55-6	1,1,1-Trichloroethane	20.1		1.0	0.13
56-23-5	Carbon tetrachloride	19.9		1.0	0.15
71-43-2	Benzene	21.2		1.0	0.15
75-25-2	Bromoform	19.5		1.0	0.17
100-42-5	Styrene	21.3		1.0	0.28
179601-23-1	m&p-Xylene	42.0		2.0	0.59
95-47-6	o-Xylene	20.6		1.0	0.19
100-41-4	Ethylbenzene	20.8		1.0	0.17
108-90-7	Chlorobenzene	20.8		1.0	0.18
110-82-7	Cyclohexane	17.1		1.0	0.13
98-82-8	Isopropylbenzene	20.6		1.0	0.11
591-78-6	2-Hexanone	20.7		10	0.13
1634-04-4	MTBE	20.3		1.0	0.11
76-13-1	Freon TF	17.6		1.0	0.11
79-20-9	Methyl acetate	23.0		1.0	0.32
123-91-1	1,4-Dioxane	164		50	13
79-01-6	Trichloroethene	20.7		1.0	0.12
108-88-3	Toluene	20.5		1.0	0.14
10061-02-6	trans-1,3-Dichloropropene	18.3		1.0	0.10
108-10-1	4-Methyl-2-pentanone	21.9		10	0.20
10061-01-5	cis-1,3-Dichloropropene	22.3		1.0	0.14

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123595/3  
Matrix: Solid Lab File ID: o63294.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/10/2012 21:38  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	20.4		1.0	0.10
541-73-1	1,3-Dichlorobenzene	20.2		1.0	0.16
106-46-7	1,4-Dichlorobenzene	20.7		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	20.7		1.0	0.19
87-61-6	1,2,3-Trichlorobenzene	21.4		1.0	0.16
78-87-5	1,2-Dichloropropane	21.8		1.0	0.15
108-87-2	Methylcyclohexane	17.4		1.0	0.10
127-18-4	Tetrachloroethene	20.1		1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	24.2		1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	21.6		1.0	0.090
79-00-5	1,1,2-Trichloroethane	21.7		1.0	0.14
124-48-1	Dibromochloromethane	21.4		1.0	0.10
106-93-4	1,2-Dibromoethane	21.9		1.0	0.15
75-71-8	Dichlorodifluoromethane	16.5		1.0	0.22
74-97-5	Bromochloromethane	20.2		1.0	0.11
75-27-4	Bromodichloromethane	21.2		1.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130
460-00-4	Bromofluorobenzene	99		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63294.d  
Report Date: 14-Aug-2012 10:06

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63294.d  
Lab Smp Id: LCS  
Inj Date : 10-AUG-2012 21:38  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : LCS  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 3 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
90 Dichlorodifluoromethane	85	0.866	0.866 (0.233)			65123	16.4676	16
1 Chloromethane	50	0.995	0.995 (0.268)			80977	17.3098	17
4 Vinyl Chloride	62	1.009	1.009 (0.272)			80420	19.1524	19
3 Bromomethane	94	1.167	1.166 (0.314)			48192	19.4562	19
5 Chloroethane	64	1.217	1.217 (0.328)			50205	23.5897	24
9 Trichlorofluoromethane	101	1.338	1.338 (0.361)			110057	19.0643	19
121 n-Pentane	72	1.381	1.381 (0.372)			24091	28.3045	28
127 Ethanol	46	1.453	1.453 (0.392)			50268	2961.94	3000
46 Ethyl Ether	59	1.496	1.496 (0.403)			50384	19.0117	19
119 Isoprene	67	1.503	1.503 (0.405)			88024	16.7076	17
157 Dichlorofluoromethane	67	1.317	1.317 (0.355)			122122	18.1128	18
47 Acrolein	56	1.568	1.568 (0.423)			108384	260.234	260
10 1,1-Dichloroethene	96	1.618	1.611 (0.436)			58288	19.2316	19
48 Freon TF	101	1.618	1.618 (0.436)			67909	17.6488	18

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63294.d  
 Report Date: 14-Aug-2012 10:06

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.654	1.661	(0.446)		17882	23.3677
142 Iodomethane	142	1.704	1.704	(0.459)		79512	17.2262
8 Carbon Disulfide	76	1.732	1.732	(0.467)		153409	14.2143
50 Acetonitrile	41	1.818	1.818	(0.490)		323265	430.067
125 Methyl acetate	74	1.847	1.847	(0.498)		13365	23.0385
6 Methylene Chloride	84	1.897	1.897	(0.511)		75823	23.2453
51 TBA	59	1.990	1.990	(0.537)		125185	385.811
52 Acrylonitrile	53	2.055	2.055	(0.554)		149809	141.148
12 trans-1,2-Dichloroethene	96	2.062	2.055	(0.556)		75259	20.0067
53 MTBE	73	2.062	2.062	(0.556)		171314	20.2599
54 Hexane	56	2.227	2.227	(0.600)		42297	14.5353
11 1,1-Dichloroethane	63	2.334	2.334	(0.629)		131065	20.3176
57 Vinyl Acetate	43	2.377	2.377	(0.641)		278074	37.3820
55 DIPE	45	2.384	2.384	(0.643)		217737	20.4317
149 tert-Butyl ethyl ether	59	2.642	2.642	(0.712)		183345	20.3346
104 2,2-Dichloropropane	77	2.742	2.742	(0.739)		107015	18.9779
13 cis-1,2-Dichloroethene	96	2.750	2.749	(0.741)		84339	20.5975
18 2-Butanone	72	2.778	2.778	(0.749)		8182	23.2064
56 Ethyl Acetate	70	2.828	2.828	(0.762)		11072	42.3604
108 Bromochloromethane	128	2.929	2.929	(0.790)		37420	20.1762
160 Tetrahydrofuran	42	2.972	2.972	(0.801)		24537	26.2597
15 Chloroform	83	3.000	3.000	(0.809)		129318	20.6037
20 1,1,1-Trichloroethane	97	3.129	3.129	(0.844)		109873	20.1411
59 Cyclohexane	56	3.165	3.165	(0.853)		119999	17.1044
21 Carbon Tetrachloride	117	3.265	3.265	(0.880)		90486	19.9022
92 1,1-Dichloropropene	75	3.272	3.265	(0.882)		107609	20.3460
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408	(0.919)		96664	47.0778
28 Benzene	78	3.444	3.444	(0.929)		299996	21.1997
17 1,2-Dichloroethane	62	3.480	3.473	(0.938)		81868	20.2818
61 Isopropyl Acetate	43	3.566	3.566	(0.961)		250097	44.2462
140 tert-Amylmethyl Ether	73	3.566	3.566	(0.961)		164156	21.4941
* 69 Fluorobenzene	96	3.709	3.702	(1.000)		499735	50.0000
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010	(1.081)		52231	38.2271
25 Trichloroethene	95	4.053	4.053	(1.093)		74170	20.7126
63 n-Butanol	43	4.082	4.082	(1.100)		69597	1631.55
96 Ethyl Acrylate	85	4.211	4.211	(1.135)		3441	23.1847
126 Methyl cyclohexane	83	4.225	4.225	(1.139)		118691	17.4034
23 1,2-Dichloropropane	63	4.282	4.282	(1.154)		72406	21.7550
109 Dibromomethane	93	4.397	4.397	(1.185)		38479	21.0828
95 1,4-Dioxane	88	4.447	4.454	(1.199)		6320	164.120
146 Methyl methacrylate	69	4.454	4.454	(1.201)		39152	21.3586
64 Propyl Acetate	43	4.540	4.540	(1.224)		76304	41.7708
22 Bromodichloromethane	83	4.590	4.583	(1.238)		89766	21.2448
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963	(1.338)		37526	22.3252
159 2-Nitropropane	41	5.013	5.006	(1.351)		4880	
118 Epichlorohydrin	57	5.013	5.013	(1.351)		118683	435.037
24 cis-1,3-Dichloropropene	75	5.092	5.092	(1.373)		110767	22.3422

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63294.d  
 Report Date: 14-Aug-2012 10:06

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.433)		52707	21.8536
\$ 37 Toluene-d8 (SUR)	98	5.386	5.385	(0.741)		392204	49.2528
38 Toluene	91	5.464	5.464	(0.752)		335422	20.4846
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)		87972	18.2559
27 1,1,2-Trichloroethane	83	6.009	6.009	(0.827)		47832	21.6683
35 Tetrachloroethene	166	6.131	6.130	(0.843)		90494	20.0681
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)		100715	21.4750
34 2-Hexanone	43	6.388	6.388	(0.879)		35829	20.7061
26 Dibromochloromethane	129	6.496	6.496	(0.894)		64996	21.4040
65 Butyl Acetate	43	6.610	6.603	(0.909)		170382	39.8198
66 1,2-Dibromoethane	107	6.610	6.610	(0.909)		58166	21.9256
* 32 Chlorobenzene-d5	117	7.269	7.269	(1.000)		392598	50.0000
39 Chlorobenzene	112	7.312	7.312	(1.006)		211697	20.7581
97 1,1,1,2-Tetrachloroethane	131	7.463	7.456	(1.027)		67906	18.5065
40 Ethylbenzene	106	7.513	7.506	(1.034)		117264	20.7657
43 m+p-Xylene	106	7.692	7.692	(1.058)		294859	42.0268
44 o-Xylene	106	8.272	8.272	(1.138)		142862	20.6184
42 Styrene	104	8.301	8.301	(1.142)		242938	21.2776
147 Butyl Acrylate	55	8.380	8.380	(0.766)		113140	20.3698
31 Bromoform	173	8.537	8.537	(1.174)		42554	19.4550
145 Amyl Acetate	43	8.767	8.766	(1.206)		55783	20.3297
110 Isopropylbenzene	105	8.867	8.867	(1.220)		383973	20.5587
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074	(0.830)		160527	49.6545
150 Camphene	41	9.196	9.196	(0.841)		26101	16.6076
107 Bromobenzene	156	9.254	9.254	(0.846)		94276	20.1974
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)		74912	21.5833
99 1,2,3-Trichloropropane	110	9.418	9.418	(0.861)		22410	21.2403
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.562)		19892	22.0130
112 n-Propylbenzene	91	9.526	9.526	(0.871)		465369	20.4798
105 2-Chlorotoluene	91	9.597	9.597	(0.878)		256939	20.2139
161 4-Ethyltoluene	105	9.726	9.719	(2.622)		361422	19.7803
106 4-Chlorotoluene	91	9.784	9.784	(0.895)		266300	20.4542
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)		312345	20.0022
148 Butyl methacrylate	69	10.142	10.142	(0.927)		95993	17.5144
115 tert-Butylbenzene	119	10.350	10.349	(0.946)		288592	19.9601
100 1,2,4-Trimethylbenzene	105	10.428	10.435	(0.953)		322218	20.5747
114 sec-Butylbenzene	105	10.715	10.715	(0.980)		434405	19.8399
67 1,3-Dichlorobenzene	146	10.815	10.815	(0.989)		188088	20.2139
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)		230772	50.0000
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)		191739	20.7143
113 p-Isopropyltoluene	119	10.994	10.994	(1.005)		362449	19.9696
117 Benzyl chloride	91	11.238	11.238	(1.028)		123832	16.7922
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)		177091	20.3969
162 1,4-Diethylbenzene	119	11.582	11.581	(3.122)		222958	20.2630
111 n-Butylbenzene	91	11.603	11.603	(1.061)		406083	20.0128
101 1,2-Dibromo-3-chloropropane	75	12.477	12.477	(1.141)		18783	24.1871
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491	(3.367)		334926	20.7417

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63294.d  
Report Date: 14-Aug-2012 10:06

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L )	FINAL (ug/Kg)
152 Camphor	95	13.186	13.186	(1.206)		45877	117.469	120
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)		147204	20.6697	21
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)		86520	19.1767	19
70 Naphthalene	128	13.473	13.473	(1.232)		308643	22.2777	22
98 1,2,3-Trichlorobenzene	180	13.688	13.687	(1.251)		137607	21.3627	21
M 14 1,2-Dichloroethene (total)	100					159599	40.6041	41
M 45 Xylene (Total)	100					437721	62.6486	63

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).  
R - Spike/Surrogate failed recovery limits.

Data File: o63294.d

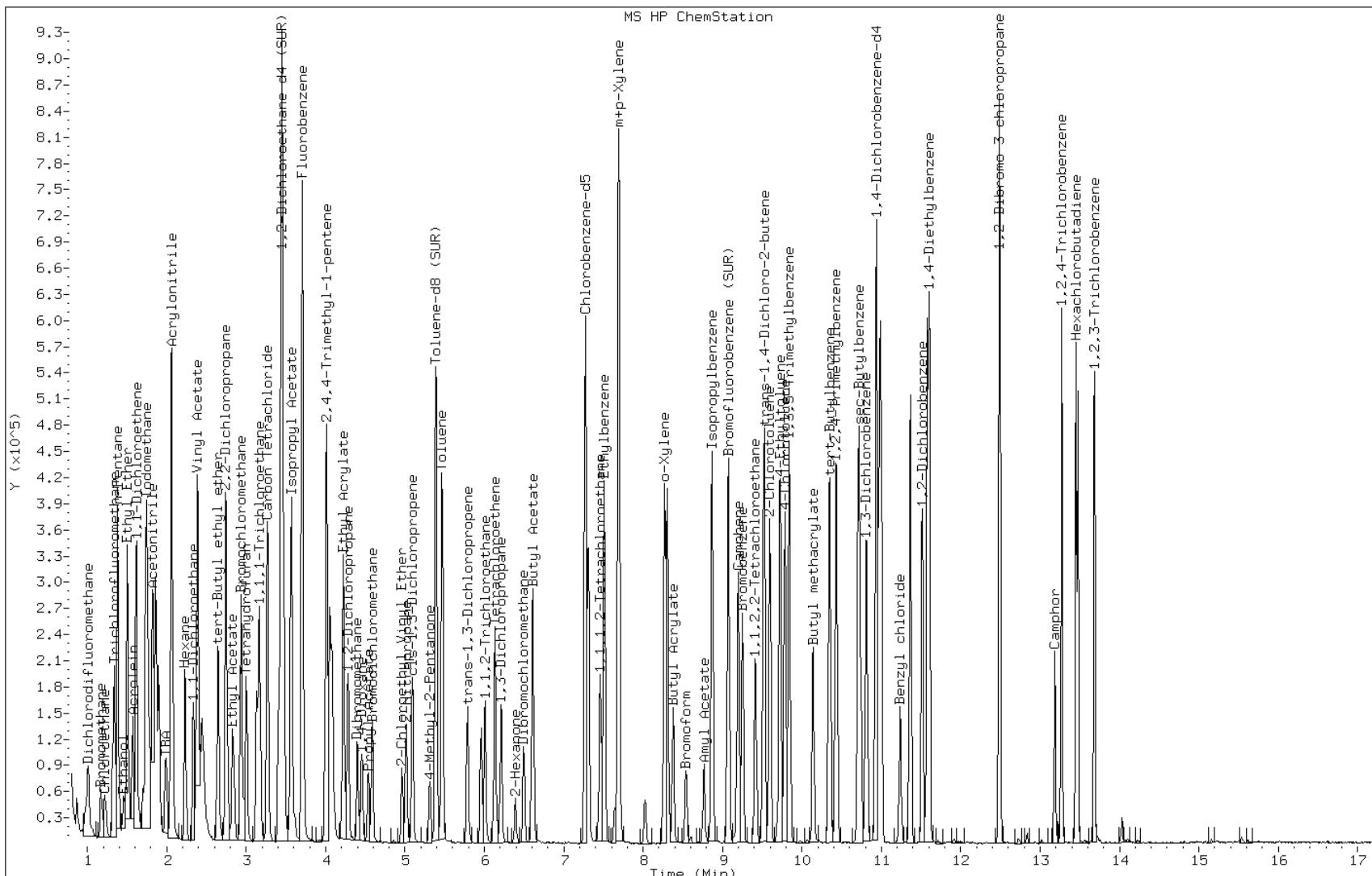
Date: 10-AUG-2012 21:38

Client ID:

Instrument: VOAMS12.i

### Sample Info: LCS

Operator: VOAMS 9



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-124070/3  
Matrix: Water Lab File ID: c69976.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/14/2012 18:48  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	16.9		1.0	0.10
74-83-9	Bromomethane	21.8		1.0	0.18
75-01-4	Vinyl chloride	17.4		1.0	0.14
75-00-3	Chloroethane	19.3		1.0	0.17
75-09-2	Methylene Chloride	21.0		1.0	0.18
67-64-1	Acetone	24.1		5.0	2.7
75-15-0	Carbon disulfide	15.9		1.0	0.13
75-69-4	Trichlorofluoromethane	16.6		1.0	0.15
75-35-4	1,1-Dichloroethene	19.6		1.0	0.090
75-34-3	1,1-Dichloroethane	20.0		1.0	0.13
156-60-5	trans-1,2-Dichloroethene	19.5		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	20.6		1.0	0.18
67-66-3	Chloroform	20.1		1.0	0.080
78-93-3	2-Butanone	19.2		5.0	2.3
107-06-2	1,2-Dichloroethane	18.6		1.0	0.19
71-55-6	1,1,1-Trichloroethane	20.0		1.0	0.060
56-23-5	Carbon tetrachloride	18.8		1.0	0.060
71-43-2	Benzene	20.1		1.0	0.080
75-25-2	Bromoform	19.3		1.0	0.19
100-42-5	Styrene	20.8		1.0	0.12
179601-23-1	m&p-Xylene	39.5		2.0	0.25
95-47-6	o-Xylene	20.4		1.0	0.13
100-41-4	Ethylbenzene	21.0		1.0	0.10
108-90-7	Chlorobenzene	19.7		1.0	0.11
110-82-7	Cyclohexane	14.8		1.0	0.16
98-82-8	Isopropylbenzene	20.5		1.0	0.080
591-78-6	2-Hexanone	20.3		5.0	0.50
1634-04-4	MTBE	19.7		1.0	0.14
76-13-1	Freon TF	16.5		1.0	0.080
79-20-9	Methyl acetate	19.7		2.0	0.34
123-91-1	1,4-Dioxane	145		50	36
79-01-6	Trichloroethene	19.0		1.0	0.090
108-88-3	Toluene	19.9		1.0	0.15
10061-02-6	trans-1,3-Dichloropropene	19.2		1.0	0.24
108-10-1	4-Methyl-2-pentanone	20.3		5.0	0.99
10061-01-5	cis-1,3-Dichloropropene	19.7		1.0	0.18

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-124070/3  
Matrix: Water Lab File ID: c69976.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/14/2012 18:48  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	20.1		1.0	0.21
541-73-1	1,3-Dichlorobenzene	21.0		1.0	0.14
106-46-7	1,4-Dichlorobenzene	19.7		1.0	0.23
120-82-1	1,2,4-Trichlorobenzene	19.2		1.0	0.34
87-61-6	1,2,3-Trichlorobenzene	22.4		1.0	0.51
78-87-5	1,2-Dichloropropane	20.3		1.0	0.090
108-87-2	Methylcyclohexane	13.9		1.0	0.14
127-18-4	Tetrachloroethene	19.3		1.0	0.10
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1.0	0.40
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1.0	0.16
79-00-5	1,1,2-Trichloroethane	20.1		1.0	0.19
124-48-1	Dibromochloromethane	19.7		1.0	0.20
106-93-4	1,2-Dibromoethane	19.7		1.0	0.28
75-71-8	Dichlorodifluoromethane	15.2		1.0	0.22
74-97-5	Bromochloromethane	18.6		1.0	0.27
75-27-4	Bromodichloromethane	19.5		1.0	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
460-00-4	Bromofluorobenzene	100		70-130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69976.d  
Report Date: 15-Aug-2012 11:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69976.d  
Lab Smp Id: LCS  
Inj Date : 14-AUG-2012 18:48  
Operator : Inst ID: VOAMS3.i  
Smp Info : LCS  
Misc Info :  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:38 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 3 QC Sample: METHSPIKE  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)		21315	15.2429	15(M)
3 Chloromethane	50	1.715	1.715 (0.295)		33877	16.9174	17
4 Vinyl Chloride	62	1.794	1.794 (0.308)		31141	17.3748	17
6 Bromomethane	94	2.086	2.086 (0.359)		21313	21.7921	22
5 Chloroethane	64	2.183	2.183 (0.375)		18996	19.2525	19
180 Dichlorofluoromethane	67	2.372	2.372 (0.408)		47611	19.1464	19
7 Trichlorofluoromethane	101	2.378	2.378 (0.409)		36651	16.5891	16
8 n-Pentane	72	2.432	2.433 (0.418)		4622	24.3941	24
9 Ethanol	46	2.591	2.591 (0.446)		40106	3013.55	3000(R)
10 Isoprene	67	2.658	2.658 (0.457)		27131	17.8408	18
11 Ethyl Ether	59	2.639	2.640 (0.454)		22241	19.5908	20
13 Acrolein	56	2.822	2.822 (0.485)		11802	40.5563	40
15 1,1-Dichloroethene	96	2.858	2.852 (0.492)		17750	19.6302	20
14 Freon TF	101	2.816	2.822 (0.484)		18716	16.5104	16
16 Acetone	43	2.956	2.956 (0.508)		15284	24.1091	24
17 Iodomethane	142	3.023	3.017 (0.520)		20014	12.4466	12

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69976.d  
 Report Date: 15-Aug-2012 11:38

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)		35296	15.9128	16
20 Allyl Chloride	76	3.205	3.205 (0.551)		12359	19.5664	20
21 Acetonitrile	39	3.278	3.278 (0.564)		20344	322.701	320
170 Cyclopentene	67	3.223	3.224 (0.554)		45351	17.3978	17
27 Methyl Acetate	43	3.223	3.224 (0.554)		38290	19.7402	20
22 Methylene Chloride	84	3.345	3.339 (0.575)		25523	21.0285	21
24 TBA	59	3.418	3.418 (0.588)		98464	446.694	450
25 trans-1,2-Dichloroethene	96	3.552	3.546 (0.611)		22956	19.5367	20
26 Acrylonitrile	53	3.637	3.637 (0.625)		16049	21.9665	22
28 MTBE	73	3.527	3.522 (0.607)		87366	19.6591	20
29 Hexane	56	3.734	3.728 (0.642)		8209	12.9159	13(R)
30 1,1-Dichloroethane	63	3.996	3.996 (0.687)		50622	19.9515	20
31 Vinyl Acetate	43	4.020	4.020 (0.691)		109656	35.8056	36
32 DIPE	45	3.972	3.966 (0.683)		102561	19.9888	20
33 Allyl Alcohol	57	4.026	4.027 (0.692)		161622	3065.12	3100
34 n-Propanol	60	4.081	4.081 (0.702)		31972	3193.92	3200
35 t-Butyl-ethyl-ether	59	4.324	4.325 (0.744)		95767	19.8160	20
37 2,2-Dichloropropane	77	4.556	4.556 (0.783)		43473	19.3342	19
36 cis-1,2-Dichloroethene	96	4.586	4.586 (0.789)		30905	20.5955	20
38 2-Butanone	72	4.616	4.611 (0.794)		5376	19.1712	19
39 Ethyl Acetate	70	4.622	4.623 (0.795)		8663	42.5079	42
40 Bromochloromethane	128	4.842	4.848 (0.833)		14431	18.5676	18
41 Tetrahydrofuran	42	4.848	4.848 (0.834)		18828	25.0141	25(R)
42 Chloroform	83	4.908	4.903 (0.844)		50724	20.0933	20
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.871)		42680	20.0208	20
44 Cyclohexane	56	5.048	5.049 (0.868)		30656	14.8351	15
45 Carbon Tetrachloride	117	5.200	5.207 (0.894)		33443	18.8413	19
46 1,1-Dichloropropene	75	5.249	5.243 (0.903)		37695	19.1935	19
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.492	5.493 (0.945)		156791	50.0327	50
48 Benzene	78	5.474	5.474 (0.627)		112882	20.1419	20
173 Propionitrile	54	4.762	4.763 (0.819)		13887	43.1213	43
49 1,2-Dichloroethane	62	5.584	5.584 (0.960)		40149	18.5825	18
181 Isobutyl Alcohol	43	5.401	5.401 (0.929)		367007	3142.61	3100
174 Methacrylonitrile	67	4.878	4.878 (0.839)		32722	19.5357	20
51 n-Heptane	57	5.669	5.669 (0.975)		11677	13.9256	14
50 t-Amyl-methyl-ether	73	5.559	5.560 (0.956)		91000	20.6638	21
61 Isopropyl Acetate	43	5.553	5.554 (0.955)		185615	39.4817	39
* 52 Fluorobenzene	96	5.815	5.815 (1.000)		550333	50.0000	
166 2,4,4-Trimethyl-1-pentene	112	6.076	6.077 (1.045)		12187	25.5780	26
54 Trichloroethene	95	6.222	6.217 (1.070)		27304	19.0071	19
53 n-Butanol	41	6.180	6.174 (1.063)		85296	1536.83	1500
56 Methyl cyclohexane	83	6.350	6.350 (1.092)		28538	13.8942	14
55 Ethyl Acrylate	55	6.362	6.363 (1.094)		72785	17.8205	18
57 1,2-Dichloropropane	63	6.527	6.521 (1.122)		31901	20.3494	20
58 Dibromomethane	93	6.648	6.649 (1.143)		18613	18.9724	19
60 1,4-Dioxane	88	6.648	6.649 (1.143)		5079	145.075	140
59 Methyl Methacrylate	100	6.612	6.612 (1.137)		9811	18.1032	18

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69976.d  
 Report Date: 15-Aug-2012 11:38

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.673	6.667	(1.147)	59711	38.1367	38
68 Bromodichloromethane	83	6.800	6.801	(1.169)	39617	19.5413	20
62 2-Chloroethyl Vinyl Ether	63	7.111	7.111	(1.223)	18304	18.9429	19
63 Epichlorohydrin	57	7.202	7.202	(0.825)	83912	400.939	400
67 cis-1,3-Dichloropropene	75	7.251	7.251	(0.831)	49072	19.7182	20
70 4-Methyl-2-Pentanone	43	7.391	7.391	(0.847)	42516	20.3422	20
\$ 65 Toluene-d8 (SUR)	98	7.457	7.458	(0.854)	458978	50.7479	51
66 Toluene	91	7.518	7.519	(0.861)	125199	19.8786	20
64 trans-1,3-Dichloropropene	75	7.786	7.786	(0.892)	47416	19.2198	19
69 1,1,2-Trichloroethane	83	7.944	7.944	(0.910)	24851	20.1173	20
71 Tetrachloroethene	166	7.981	7.981	(0.914)	30997	19.2507	19
175 Ethyl methacrylate	69	7.810	7.811	(1.343)	44378	19.2763	19
72 1,3-Dichloropropane	76	8.096	8.096	(0.928)	51600	20.0269	20
73 2-Hexanone	43	8.139	8.139	(0.932)	30630	20.3010	20
74 Dibromochloromethane	129	8.260	8.261	(0.946)	30469	19.6679	20
76 Butyl Acetate	73	8.218	8.218	(0.941)	20787	40.8992	41
77 1,2-Dibromoethane	107	8.370	8.370	(0.959)	31025	19.7469	20
* 78 Chlorobenzene-d5	117	8.729	8.723	(1.000)	434869	50.0000	
79 Chlorobenzene	112	8.747	8.747	(1.002)	81902	19.7353	20
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820	(1.010)	31149	20.3383	20
81 Ethylbenzene	106	8.808	8.808	(1.009)	44776	20.9531	21
82 m+p-Xylene	106	8.905	8.906	(1.020)	108249	39.4717	39
84 o-Xylene	106	9.222	9.222	(1.056)	55806	20.3858	20
85 Styrene	104	9.240	9.240	(1.059)	96622	20.7652	21
83 Butyl Acrylate	73	9.185	9.185	(1.052)	24669	19.3102	19
86 Bromoform	173	9.410	9.404	(1.078)	23192	19.2710	19
87 Amyl Acetate	43	9.356	9.356	(0.892)	41613	20.6848	21
88 Isopropylbenzene	105	9.489	9.490	(1.087)	139251	20.5177	20
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648	(0.920)	184846	50.0012	50
90 Camphene (total)	41	9.666	9.666	(1.107)	10253	16.5225	16
91 Bromobenzene	156	9.757	9.757	(0.930)	39043	20.4230	20
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769	(0.932)	41646	19.8405	20
93 1,2,3-Trichloropropene	110	9.812	9.812	(0.936)	13566	20.0201	20
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818	(0.936)	13627	18.6660	19
95 n-Propylbenzene	91	9.794	9.794	(0.934)	170249	21.3773	21
96 2-Chlorotoluene	91	9.885	9.885	(0.943)	115965	21.5823	22
97 1,3,5-Trimethylbenzene	105	9.927	9.928	(0.947)	116851	20.9890	21
98 4-Chlorotoluene	91	9.970	9.970	(0.951)	104034	20.9150	21
99 Butyl Methacrylate	87	9.982	9.982	(0.952)	42015	20.2870	20
184 4-Ethyltoluene	105	9.927	9.928	(1.707)	116851	20.0136	20
100 tert-Butylbenzene	119	10.159	10.159	(0.969)	101331	20.7513	21
101 1,2,4-Trimethylbenzene	105	10.201	10.201	(0.973)	117962	20.6852	21
103 sec-Butylbenzene	105	10.317	10.317	(0.984)	152213	21.3795	21
105 1,3-Dichlorobenzene	146	10.432	10.433	(0.995)	71758	20.9702	21
107 p-Isopropyltoluene	119	10.414	10.414	(0.993)	126517	21.0271	21
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	227349	50.0000	
109 1,4-Dichlorobenzene	146	10.505	10.506	(1.002)	70890	19.6721	20

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69976.d  
Report Date: 15-Aug-2012 11:38

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)	FINAL ( ug/L)
110 Benzyl Chloride	91	10.603	10.603	(1.011)		79425	19.3537	19
183 1,4-Diethylbenzene	119	10.688	10.688	(1.838)		78852	19.5346	20
106 n-Butylbenzene	91	10.706	10.706	(1.021)		146461	21.3604	21
171 Indan	117	10.657	10.658	(1.833)		125522	19.2638	19
111 1,2-Dichlorobenzene	146	10.773	10.773	(1.027)		66985	20.1429	20
182 1,2,4,5-Tetramethylbenzene	119	11.241	11.242	(1.933)		112524	19.3574	19
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339	(1.081)		8582	16.9500	17
114 1,2,4-Trichlorobenzene	180	11.971	11.972	(1.142)		43936	19.2291	19
115 Hexachlorobutadiene	225	12.063	12.063	(1.150)		27025	20.6136	21
116 Naphthalene	128	12.209	12.215	(1.164)		115761	22.2888	22
117 1,2,3-Trichlorobenzene	180	12.440	12.440	(1.186)		39518	22.3853	22
M 120 1,2-Dichloroethene (Total)	100					53861	40.1322	40
M 121 Xylene (Total)	100					164055	59.8575	60

#### QC Flag Legend

R - Spike/Surrogate failed recovery limits.  
M - Compound response manually integrated.

Data File: c69976.d

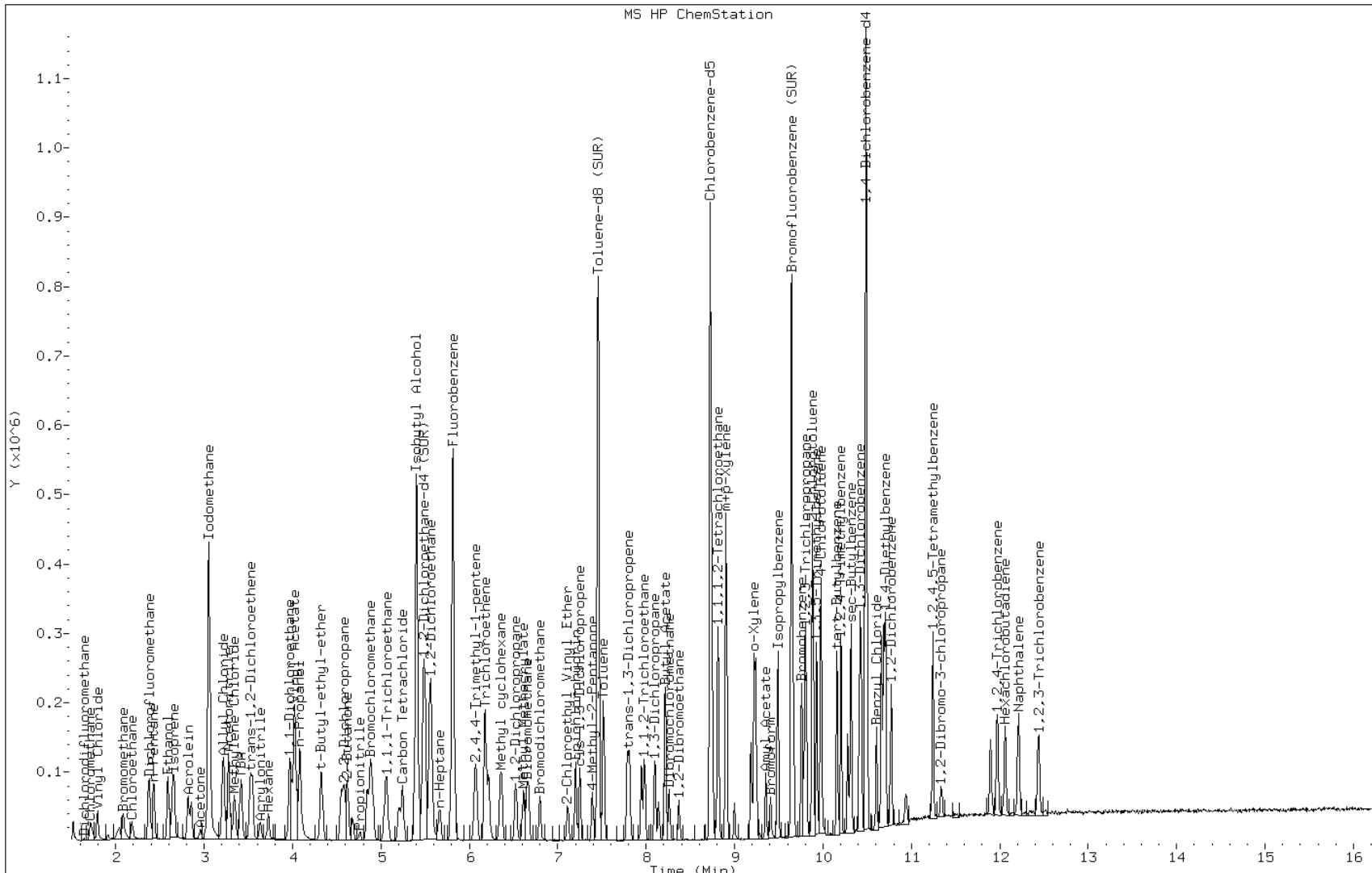
Date: 14-AUG-2012 18:48

Client ID:

Instrument: VOAMS3.i

### Sample Info: LCS

## Operator:



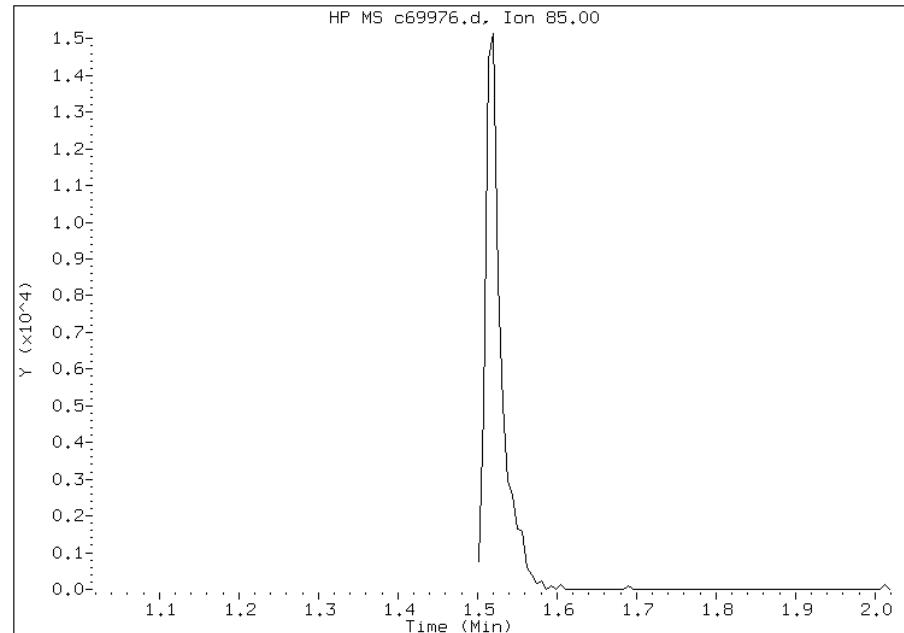
## Manual Integration Report

Data File: c69976.d  
Inj. Date and Time: 14-AUG-2012 18:48  
Instrument ID: VOAMS3.i  
Client ID:  
Compound: 2 Dichlorodifluoromethane  
CAS #: 75-71-8  
Report Date: 08/15/2012

### Processing Integration Results

Not Detected

Expected RT: 1.52



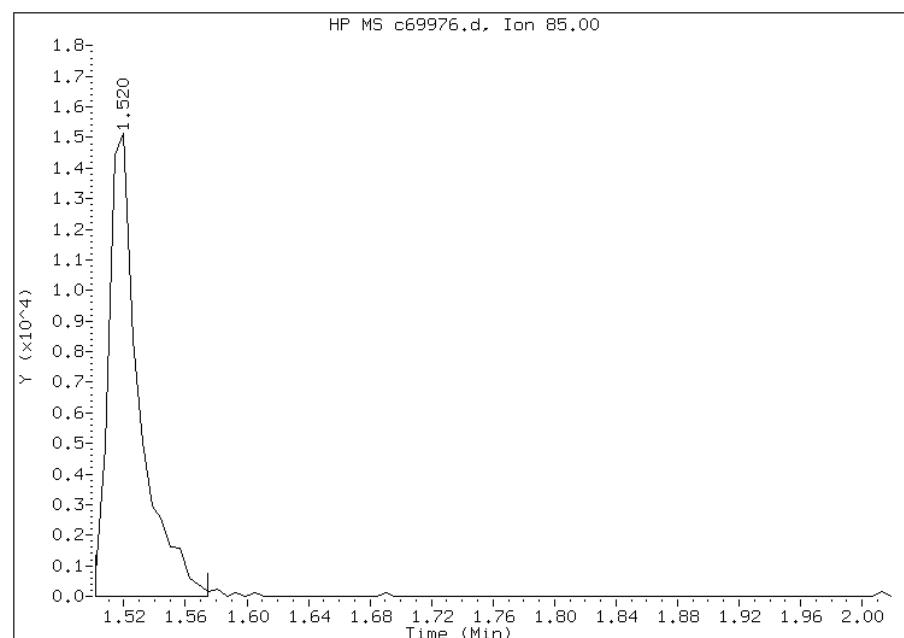
### Manual Integration Results

RT: 1.52

Response: 21315

Amount: 15

Conc: 15



Manually Integrated By: vibha

Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-123595/4  
Matrix: Solid Lab File ID: o63295.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/10/2012 22:43  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	19.4		1.0	0.16
74-83-9	Bromomethane	20.7		1.0	0.43
75-01-4	Vinyl chloride	20.9		1.0	0.34
75-00-3	Chloroethane	23.8		1.0	0.33
75-09-2	Methylene Chloride	20.9		1.0	0.15
67-64-1	Acetone	23.4		10	1.7
75-15-0	Carbon disulfide	15.5		1.0	0.15
75-69-4	Trichlorofluoromethane	21.7		1.0	0.16
75-35-4	1,1-Dichloroethene	19.4		1.0	0.19
75-34-3	1,1-Dichloroethane	19.5		1.0	0.11
156-60-5	trans-1,2-Dichloroethene	19.2		1.0	0.13
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.11
67-66-3	Chloroform	19.5		1.0	0.24
78-93-3	2-Butanone	22.4		10	0.63
107-06-2	1,2-Dichloroethane	19.0		1.0	0.18
71-55-6	1,1,1-Trichloroethane	19.6		1.0	0.13
56-23-5	Carbon tetrachloride	19.1		1.0	0.15
71-43-2	Benzene	20.6		1.0	0.15
75-25-2	Bromoform	18.1		1.0	0.17
100-42-5	Styrene	20.8		1.0	0.28
179601-23-1	m&p-Xylene	41.7		2.0	0.59
95-47-6	o-Xylene	20.3		1.0	0.19
100-41-4	Ethylbenzene	20.0		1.0	0.17
108-90-7	Chlorobenzene	20.1		1.0	0.18
110-82-7	Cyclohexane	19.5		1.0	0.13
98-82-8	Isopropylbenzene	20.4		1.0	0.11
591-78-6	2-Hexanone	23.6		10	0.13
1634-04-4	MTBE	22.9		1.0	0.11
76-13-1	Freon TF	21.0		1.0	0.11
79-20-9	Methyl acetate	26.0		1.0	0.32
123-91-1	1,4-Dioxane	134		50	13
79-01-6	Trichloroethene	21.3		1.0	0.12
108-88-3	Toluene	20.2		1.0	0.14
10061-02-6	trans-1,3-Dichloropropene	18.7		1.0	0.10
108-10-1	4-Methyl-2-pentanone	23.3		10	0.20
10061-01-5	cis-1,3-Dichloropropene	21.7		1.0	0.14

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-123595/4  
Matrix: Solid Lab File ID: o63295.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/10/2012 22:43  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
Soil Extract Vol.: \_\_\_\_\_ GC Column: DB-624 ID: 0.18 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 123595 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	20.3		1.0	0.10
541-73-1	1,3-Dichlorobenzene	20.6		1.0	0.16
106-46-7	1,4-Dichlorobenzene	20.6		1.0	0.11
120-82-1	1,2,4-Trichlorobenzene	20.8		1.0	0.19
87-61-6	1,2,3-Trichlorobenzene	20.8		1.0	0.16
78-87-5	1,2-Dichloropropane	20.9		1.0	0.15
108-87-2	Methylcyclohexane	21.5		1.0	0.10
127-18-4	Tetrachloroethene	20.5		1.0	0.12
96-12-8	1,2-Dibromo-3-Chloropropane	22.9		1.0	0.44
79-34-5	1,1,2,2-Tetrachloroethane	21.3		1.0	0.090
79-00-5	1,1,2-Trichloroethane	20.8		1.0	0.14
124-48-1	Dibromochloromethane	21.1		1.0	0.10
106-93-4	1,2-Dibromoethane	20.8		1.0	0.15
75-71-8	Dichlorodifluoromethane	19.1		1.0	0.22
74-97-5	Bromochloromethane	18.8		1.0	0.11
75-27-4	Bromodichloromethane	19.9		1.0	0.32

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130
460-00-4	Bromofluorobenzene	101		70-130

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63295.d  
Report Date: 14-Aug-2012 10:09

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63295.d  
Lab Smp Id: LCSD  
Inj Date : 10-AUG-2012 22:43  
Operator : VOAMS 9 Inst ID: VOAMS12.i  
Smp Info : LCSD  
Misc Info :  
Comment :  
Method : /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/8260L\_10.m  
Meth Date : 10-Aug-2012 22:10 martinez Quant Type: ISTD  
Cal Date : 21-JUL-2012 02:40 Cal File: o62505.d  
Als bottle: 4 QC Sample: BSD  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* ((Vt/Ws)/((100-M)/100)) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L )	(ug/Kg)
90 Dichlorodifluoromethane	85	0.866	0.866 (0.234)			82973	19.1407	19
1 Chloromethane	50	0.988	0.995 (0.267)			99389	19.3817	19
4 Vinyl Chloride	62	1.009	1.009 (0.273)			96230	20.9071	21
3 Bromomethane	94	1.167	1.166 (0.315)			56240	20.7133	21
5 Chloroethane	64	1.217	1.217 (0.329)			55612	23.8381	24
9 Trichlorofluoromethane	101	1.339	1.338 (0.362)			137508	21.7297	22
121 n-Pentane	72	1.382	1.381 (0.373)			29564	31.6869	32
127 Ethanol	46	1.460	1.453 (0.394)			49583	2665.27	2700
46 Ethyl Ether	59	1.496	1.496 (0.404)			59599	20.5159	20
119 Isoprene	67	1.503	1.503 (0.406)			111983	19.3906	19
157 Dichlorofluoromethane	67	1.317	1.317 (0.356)			152936	20.6933	21
47 Acrolein	56	1.568	1.568 (0.423)			118616	259.816	260
10 1,1-Dichloroethene	96	1.611	1.611 (0.435)			64440	19.3961	19
48 Freon TF	101	1.618	1.618 (0.437)			88488	20.9798	21

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63295.d  
 Report Date: 14-Aug-2012 10:09

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
7 Acetone	43	1.661	1.661 (0.449)		19643	23.4174	23
142 Iodomethane	142	1.704	1.704 (0.460)		93808	18.5406	18
8 Carbon Disulfide	76	1.732	1.732 (0.468)		183437	15.5056	16
50 Acetonitrile	41	1.818	1.818 (0.491)		371944	451.420	450
125 Methyl acetate	74	1.840	1.847 (0.497)		16522	25.9827	26
6 Methylene Chloride	84	1.897	1.897 (0.512)		74616	20.8686	21
51 TBA	59	1.983	1.990 (0.536)		145270	408.436	410
52 Acrylonitrile	53	2.055	2.055 (0.555)		158354	136.110	140
12 trans-1,2-Dichloroethene	96	2.055	2.055 (0.555)		79108	19.1848	19
53 MTBE	73	2.062	2.062 (0.557)		212417	22.9171	23
54 Hexane	56	2.227	2.227 (0.601)		56830	17.8160	18
11 1,1-Dichloroethane	63	2.334	2.334 (0.630)		137712	19.4753	19
57 Vinyl Acetate	43	2.377	2.377 (0.642)		367442	45.0626	45
55 DIPE	45	2.384	2.384 (0.644)		273063	23.3755	23
149 tert-Butyl ethyl ether	59	2.642	2.642 (0.714)		236529	23.9319	24
104 2,2-Dichloropropane	77	2.742	2.742 (0.741)		117821	19.0613	19
13 cis-1,2-Dichloroethene	96	2.750	2.749 (0.743)		89316	19.8994	20
18 2-Butanone	72	2.778	2.778 (0.750)		8652	22.3852	22
56 Ethyl Acetate	70	2.828	2.828 (0.764)		13283	46.3594	46
108 Bromochloromethane	128	2.929	2.929 (0.791)		38166	18.7732	19
160 Tetrahydrofuran	42	2.972	2.972 (0.803)		26472	25.8460	26(R)
15 Chloroform	83	3.000	3.000 (0.810)		133940	19.4681	19
20 1,1,1-Trichloroethane	97	3.129	3.129 (0.845)		117124	19.5867	20
59 Cyclohexane	56	3.165	3.165 (0.855)		150165	19.5265	20
21 Carbon Tetrachloride	117	3.265	3.265 (0.882)		95230	19.1082	19
92 1,1-Dichloropropene	75	3.265	3.265 (0.882)		119839	20.6708	21
\$ 16 1,2-Dichloroethane-d4 (SUR)	65	3.409	3.408 (0.921)		98841	43.9153	44
28 Benzene	78	3.444	3.444 (0.930)		320226	20.6441	21
17 1,2-Dichloroethane	62	3.473	3.473 (0.938)		84142	19.0166	19
61 Isopropyl Acetate	43	3.566	3.566 (0.963)		309928	50.0211	50(R)
140 tert-Amylmethyl Ether	73	3.566	3.566 (0.963)		205362	24.5306	24(R)
* 69 Fluorobenzene	96	3.702	3.702 (1.000)		547790	50.0000	
156 2,4,4-Trimethyl-1-pentene	112	4.010	4.010 (1.083)		68791	45.9304	46
25 Trichloroethene	95	4.053	4.053 (1.095)		83435	21.2561	21
63 n-Butanol	43	4.082	4.082 (1.103)		74630	1596.06	1600
96 Ethyl Acrylate	85	4.211	4.211 (1.137)		4331	26.6234	27(R)
126 Methyl cyclohexane	83	4.225	4.225 (1.141)		160925	21.5261	22
23 1,2-Dichloropropane	63	4.283	4.282 (1.157)		76413	20.9449	21
109 Dibromomethane	93	4.397	4.397 (1.188)		38558	19.2727	19
95 1,4-Dioxane	88	4.462	4.454 (1.205)		5640	133.616	130
146 Methyl methacrylate	69	4.454	4.454 (1.203)		48151	23.9634	24(R)
64 Propyl Acetate	43	4.540	4.540 (1.226)		93399	46.6438	47
22 Bromodichloromethane	83	4.583	4.583 (1.238)		92400	19.9498	20
30 2-Chloroethyl Vinyl Ether	63	4.963	4.963 (1.340)		44178	23.9769	24
159 2-Nitropropane	41	5.013	5.006 (1.354)		5538		(a)
118 Epichlorohydrin	57	5.013	5.013 (1.354)		137247	458.949	460
24 cis-1,3-Dichloropropene	75	5.092	5.092 (1.375)		117713	21.6603	22

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63295.d  
 Report Date: 14-Aug-2012 10:09

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
33 4-Methyl-2-Pentanone	43	5.314	5.314	(1.435)		61509	23.2661
\$ 37 Toluene-d8 (SUR)	98	5.386	5.385	(0.741)		420044	49.0607
38 Toluene	91	5.464	5.464	(0.752)		356259	20.2359
29 trans-1,3-Dichloropropene	75	5.787	5.787	(0.796)		96745	18.6726
27 1,1,2-Trichloroethane	83	6.002	6.009	(0.826)		49294	20.7692
35 Tetrachloroethene	166	6.131	6.130	(0.843)		99408	20.5034
103 1,3-Dichloropropane	76	6.209	6.209	(0.854)		105572	20.9368
34 2-Hexanone	43	6.388	6.388	(0.879)		43924	23.6099
26 Dibromochloromethane	129	6.496	6.496	(0.894)		68806	21.0745
65 Butyl Acetate	43	6.603	6.603	(0.908)		212131	46.1105
66 1,2-Dibromoethane	107	6.611	6.610	(0.909)		59427	20.8349
* 32 Chlorobenzene-d5	117	7.270	7.269	(1.000)		422113	50.0000
39 Chlorobenzene	112	7.312	7.312	(1.006)		220838	20.1403
97 1,1,1,2-Tetrachloroethane	131	7.456	7.456	(1.026)		71188	18.0444
40 Ethylbenzene	106	7.513	7.506	(1.034)		121459	20.0046
43 m+p-Xylene	106	7.692	7.692	(1.058)		314320	41.6683
44 o-Xylene	106	8.272	8.272	(1.138)		151353	20.3166
42 Styrene	104	8.301	8.301	(1.142)		255506	20.8137
147 Butyl Acrylate	55	8.380	8.380	(0.766)		135170	23.6904
31 Bromoform	173	8.537	8.537	(1.174)		42634	18.1332
145 Amyl Acetate	43	8.767	8.766	(1.206)		70887	24.0278
110 Isopropylbenzene	105	8.867	8.867	(1.220)		409234	20.3792
\$ 41 Bromofluorobenzene (SUR)	174	9.075	9.074	(0.830)		167710	50.5002
150 Camphene	41	9.196	9.196	(0.841)		34952	21.6494
107 Bromobenzene	156	9.254	9.254	(0.846)		96267	20.0767
36 1,1,2,2-Tetrachloroethane	83	9.411	9.411	(0.860)		75949	21.3016
99 1,2,3-Trichloropropane	110	9.418	9.418	(0.861)		20883	19.2682
143 trans-1,4-Dichloro-2-butene	53	9.504	9.504	(2.567)		22703	22.9199
112 n-Propylbenzene	91	9.526	9.526	(0.871)		497653	21.3195
105 2-Chlorotoluene	91	9.598	9.597	(0.878)		273908	20.9773
161 4-Ethyltoluene	105	9.726	9.719	(2.627)		453288	22.6318
106 4-Chlorotoluene	91	9.784	9.784	(0.895)		283131	21.1700
102 1,3,5-Trimethylbenzene	105	9.841	9.841	(0.900)		324638	20.2380
148 Butyl methacrylate	69	10.142	10.142	(0.927)		117913	20.9431
115 tert-Butylbenzene	119	10.350	10.349	(0.946)		305244	20.5518
100 1,2,4-Trimethylbenzene	105	10.436	10.435	(0.954)		336609	20.9235
114 sec-Butylbenzene	105	10.715	10.715	(0.980)		461903	20.5361
67 1,3-Dichlorobenzene	146	10.808	10.815	(0.988)		196726	20.5813
* 91 1,4-Dichlorobenzene-d4	152	10.937	10.937	(1.000)		237061	50.0000
68 1,4-Dichlorobenzene	146	10.973	10.973	(1.003)		195966	20.6093
113 p-Isopropyltoluene	119	10.994	10.994	(1.005)		385350	20.6682
117 Benzyl chloride	91	11.238	11.238	(1.028)		150003	19.8015
69 1,2-Dichlorobenzene	146	11.517	11.517	(1.053)		180834	20.2755
162 1,4-Diethylbenzene	119	11.582	11.581	(3.128)		272835	22.6207
111 n-Butylbenzene	91	11.603	11.603	(1.061)		442209	21.2150
101 1,2-Dibromo-3-chloropropane	75	12.484	12.477	(1.141)		18234	22.8575
163 1,2,4,5-Tetramethylbenzene	119	12.491	12.491	(3.374)		412684	23.3153

Data File: /chem/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b/o63295.d  
Report Date: 14-Aug-2012 10:09

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L )	FINAL (ug/Kg)
152 Camphor	95	13.186	13.186	(1.206)		50632	126.204	130
93 1,2,4-Trichlorobenzene	180	13.272	13.272	(1.214)		151964	20.7721	21
94 Hexachlorobutadiene	225	13.451	13.451	(1.230)		91121	19.6606	20
70 Naphthalene	128	13.473	13.473	(1.232)		298640	20.9839	21
98 1,2,3-Trichlorobenzene	180	13.688	13.687	(1.251)		137904	20.8409	21
M 14 1,2-Dichloroethene (total)	100					168424	39.0842	39
M 45 Xylene (Total)	100					465674	61.9891	62

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).  
R - Spike/Surrogate failed recovery limits.

Data File: o63295.d

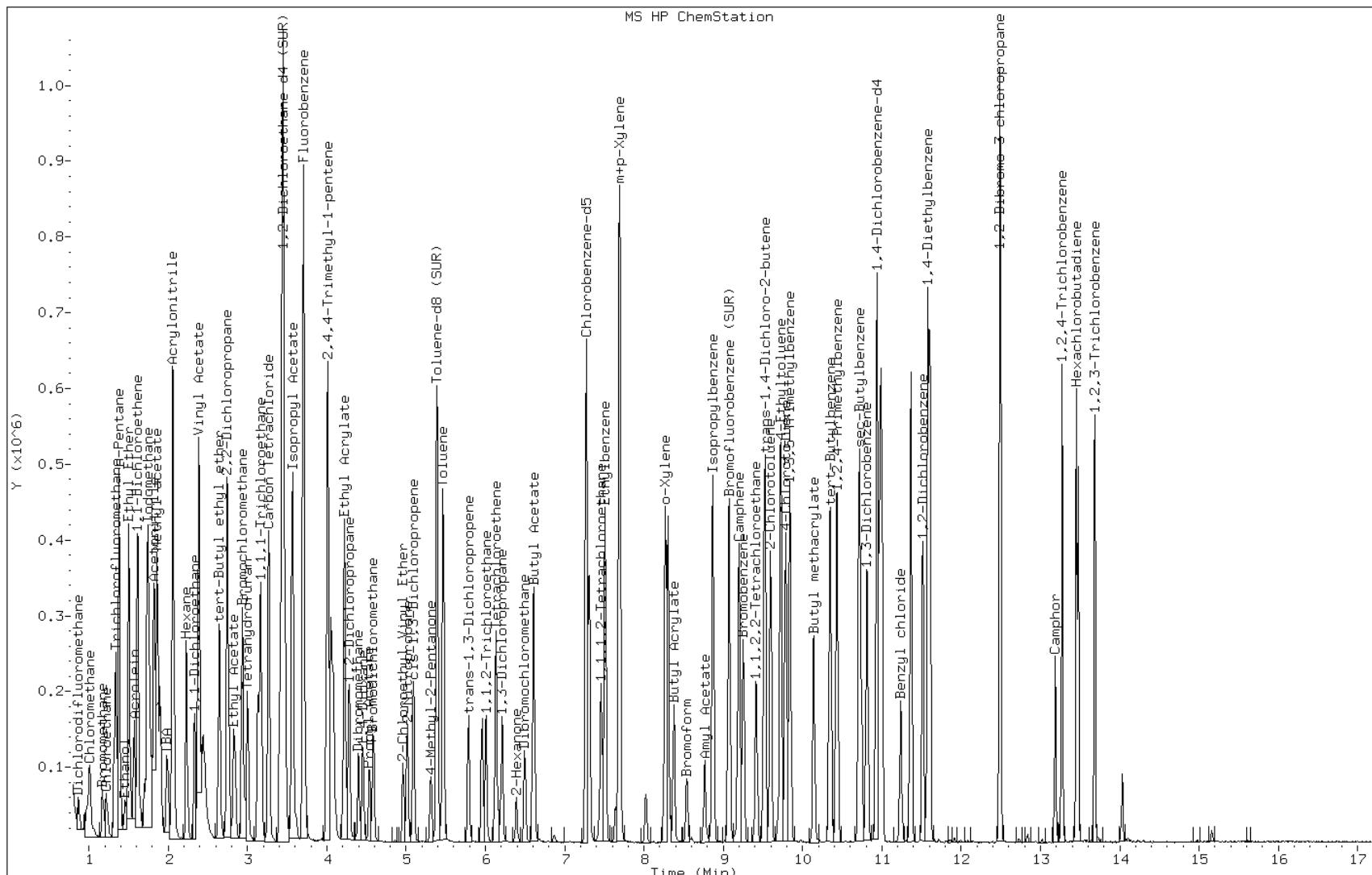
Date: 10-AUG-2012 22:43

Client ID:

Instrument: VOAMS12.i

Sample Info: LCSD

Operator: VOAMS 9



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43296-D-1 MS  
 Matrix: Water Lab File ID: c69999.d  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 08/15/2012 04:39  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 10  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	191		10	1.0
74-83-9	Bromomethane	254		10	1.8
75-01-4	Vinyl chloride	199		10	1.4
75-00-3	Chloroethane	187		10	1.7
75-09-2	Methylene Chloride	199		10	1.8
67-64-1	Acetone	208		50	27
75-15-0	Carbon disulfide	139		10	1.3
75-69-4	Trichlorofluoromethane	211		10	1.5
75-35-4	1,1-Dichloroethene	192		10	0.90
75-34-3	1,1-Dichloroethane	185		10	1.3
156-60-5	trans-1,2-Dichloroethene	170		10	1.3
156-59-2	cis-1,2-Dichloroethene	190		10	1.8
67-66-3	Chloroform	200		10	0.80
78-93-3	2-Butanone	183		50	23
107-06-2	1,2-Dichloroethane	183		10	1.9
71-55-6	1,1,1-Trichloroethane	197		10	0.60
56-23-5	Carbon tetrachloride	193		10	0.60
71-43-2	Benzene	183		10	0.80
75-25-2	Bromoform	181		10	1.9
100-42-5	Styrene	193		10	1.2
179601-23-1	m&p-Xylene	382		20	2.5
95-47-6	o-Xylene	193		10	1.3
100-41-4	Ethylbenzene	200		10	1.0
108-90-7	Chlorobenzene	192		10	1.1
110-82-7	Cyclohexane	164		10	1.6
98-82-8	Isopropylbenzene	198		10	0.80
591-78-6	2-Hexanone	179		50	5.0
1634-04-4	MTBE	179		10	1.4
76-13-1	Freon TF	190		10	0.80
79-20-9	Methyl acetate	156		20	3.4
123-91-1	1,4-Dioxane	1140		500	360
79-01-6	Trichloroethene	178		10	0.90
108-88-3	Toluene	189		10	1.5
10061-02-6	trans-1,3-Dichloropropene	175		10	2.4
108-10-1	4-Methyl-2-pentanone	192		50	9.9
10061-01-5	cis-1,3-Dichloropropene	187		10	1.8

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43296-D-1 MS  
Matrix: Water Lab File ID: c69999.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/15/2012 04:39  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 10  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	185		10	2.1
541-73-1	1,3-Dichlorobenzene	194		10	1.4
106-46-7	1,4-Dichlorobenzene	193		10	2.3
120-82-1	1,2,4-Trichlorobenzene	182		10	3.4
87-61-6	1,2,3-Trichlorobenzene	185		10	5.1
78-87-5	1,2-Dichloropropane	192		10	0.90
108-87-2	Methylcyclohexane	169		10	1.4
127-18-4	Tetrachloroethene	187		10	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	178		10	4.0
79-34-5	1,1,2,2-Tetrachloroethane	194		10	1.6
79-00-5	1,1,2-Trichloroethane	190		10	1.9
124-48-1	Dibromochloromethane	187		10	2.0
106-93-4	1,2-Dibromoethane	179		10	2.8
75-71-8	Dichlorodifluoromethane	204		10	2.2
74-97-5	Bromochloromethane	177		10	2.7
75-27-4	Bromodichloromethane	194		10	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		70-130
2037-26-5	Toluene-d8 (Surr)	101		70-130
460-00-4	Bromofluorobenzene	100		70-130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69999.d  
Report Date: 15-Aug-2012 11:44

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69999.d  
Lab Smp Id: 460-43296-D-1MS Client Smp ID: GWS-14/0-10  
Inj Date : 15-AUG-2012 04:39  
Operator : Inst ID: VOAMS3.i  
Smp Info : 460-43296-D-1MS;10  
Misc Info : 460-43296-D-1  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:38 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 25 QC Sample: MS  
Dil Factor: 10.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)		26598	20.3533	200
3 Chloromethane	50	1.721	1.715 (0.296)		35747	19.1017	190
4 Vinyl Chloride	62	1.794	1.794 (0.308)		33266	19.8606	200
6 Bromomethane	94	2.074	2.086 (0.357)		23225	25.4106	250
5 Chloroethane	64	2.165	2.183 (0.372)		17214	18.6686	190
180 Dichlorofluoromethane	67	2.372	2.372 (0.408)		44031	18.9471	190
7 Trichlorofluoromethane	101	2.378	2.378 (0.409)		43615	21.1241	210
8 n-Pentane	72	2.421	2.433 (0.416)		4081	23.0476	230
9 Ethanol	46	2.597	2.591 (0.447)		26975	2168.88	22000
10 Isoprene	67	2.658	2.658 (0.457)		26864	18.9026	190
11 Ethyl Ether	59	2.640	2.640 (0.454)		19780	18.6436	190
13 Acrolein	56	2.822	2.822 (0.485)		9565	35.1715	350
15 1,1-Dichloroethene	96	2.852	2.852 (0.491)		16255	19.2361	190
14 Freon TF	101	2.810	2.822 (0.483)		20173	19.0423	190
16 Acetone	43	2.956	2.956 (0.508)		12305	20.7697	210
17 Iodomethane	142	3.017	3.017 (0.519)		15583	10.3698	100

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69999.d  
 Report Date: 15-Aug-2012 11:44

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
18 Carbon Disulfide	76	3.053	3.053 (0.525)	28891	13.9376	140	
20 Allyl Chloride	76	3.205	3.205 (0.551)	11562	19.5869	200	
21 Acetonitrile	39	3.278	3.278 (0.564)	18239	309.577	3100	
170 Cyclopentene	67	3.224	3.224 (0.554)	39333	16.1461	160	
27 Methyl Acetate	43	3.224	3.224 (0.554)	28342	15.6351	160	
22 Methylene Chloride	84	3.339	3.339 (0.574)	22617	19.9395	200	
24 TBA	59	3.424	3.418 (0.589)	79922	387.974	3900	
25 trans-1,2-Dichloroethene	96	3.552	3.546 (0.611)	18635	16.9702	170	
26 Acrylonitrile	53	3.637	3.637 (0.625)	11053	16.1881	160	
28 MTBE	73	3.522	3.522 (0.606)	74448	17.9258	180	
29 Hexane	56	3.722	3.728 (0.640)	9674	16.2871	160	
30 1,1-Dichloroethane	63	3.996	3.996 (0.687)	43796	18.4704	180	
31 Vinyl Acetate	43	4.021	4.020 (0.691)	102422	35.7862	360	
32 DIPE	45	3.966	3.966 (0.682)	87245	18.1949	180	
33 Allyl Alcohol	57	4.039	4.027 (0.695)	101716	2064.14	21000	
34 n-Propanol	60	4.100	4.081 (0.705)	20932	2237.53	22000	
35 t-Butyl-ethyl-ether	59	4.325	4.325 (0.744)	84893	18.7965	190	
37 2,2-Dichloropropane	77	4.556	4.556 (0.783)	38016	18.0916	180	
36 cis-1,2-Dichloroethene	96	4.580	4.586 (0.788)	26578	18.9527	190	
38 2-Butanone	72	4.617	4.611 (0.794)	4792	18.2856	180	
39 Ethyl Acetate	70	4.623	4.623 (0.795)	7760	40.7443	410	
40 Bromochloromethane	128	4.842	4.848 (0.833)	12821	17.6516	180	
41 Tetrahydrofuran	42	4.848	4.848 (0.834)	15360	21.8362	220	
42 Chloroform	83	4.909	4.903 (0.844)	47172	19.9953	200	
43 1,1,1-Trichloroethane	97	5.067	5.067 (0.871)	39332	19.7428	200	
44 Cyclohexane	56	5.049	5.049 (0.868)	31659	16.3936	160	
45 Carbon Tetrachloride	117	5.207	5.207 (0.895)	32060	19.3274	190	
46 1,1-Dichloropropene	75	5.243	5.243 (0.902)	29851	16.2642	160	
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.493 (0.945)	151949	51.8841	52	
48 Benzene	78	5.475	5.474 (0.627)	96293	18.2616	180	
173 Propionitrile	54	4.763	4.763 (0.819)	11449	38.0412	380	
49 1,2-Dichloroethane	62	5.578	5.584 (0.959)	36921	18.2855	180	
181 Isobutyl Alcohol	43	5.408	5.401 (0.930)	264691	2425.27	24000	
174 Methacrylonitrile	67	4.878	4.878 (0.839)	28436	18.1661	180	
51 n-Heptane	57	5.663	5.669 (0.974)	10695	13.6479	140	
50 t-Amyl-methyl-ether	73	5.560	5.560 (0.956)	79787	19.3868	190	
61 Isopropyl Acetate	43	5.554	5.554 (0.955)	158308	36.0321	360	
* 52 Fluorobenzene	96	5.815	5.815 (1.000)	514306	50.0000		
166 2,4,4-Trimethyl-1-pentene	112	6.065	6.077 (1.043)	14547	32.6699	330	
54 Trichloroethene	95	6.217	6.217 (1.069)	23904	17.8059	180	
53 n-Butanol	41	6.180	6.174 (1.063)	53859	1038.39	10000	
56 Methyl cyclohexane	83	6.351	6.350 (1.092)	32397	16.8779	170	
55 Ethyl Acrylate	55	6.363	6.363 (1.094)	69369	18.1739	180	
57 1,2-Dichloropropane	63	6.521	6.521 (1.121)	28076	19.1641	190	
58 Dibromomethane	93	6.655	6.649 (1.144)	16907	18.4407	180	
60 1,4-Dioxane	88	6.655	6.649 (1.144)	3730	114.006	1100	
59 Methyl Methacrylate	100	6.612	6.612 (1.137)	8735	17.2468	170	

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69999.d  
 Report Date: 15-Aug-2012 11:44

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.667	6.667 (1.146)		52368	35.7898	360
68 Bromodichloromethane	83	6.795	6.801 (1.168)		36814	19.4307	190
63 Epichlorohydrin	57	7.202	7.202 (0.825)		65226	331.240	3300
67 cis-1,3-Dichloropropene	75	7.251	7.251 (0.831)		43827	18.7173	190
70 4-Methyl-2-Pentanone	43	7.391	7.391 (0.847)		37724	19.1837	190
\$ 65 Toluene-d8 (SUR)	98	7.458	7.458 (0.854)		427887	50.2832	50
66 Toluene	91	7.519	7.519 (0.861)		111731	18.8550	190
64 trans-1,3-Dichloropropene	75	7.786	7.786 (0.892)		40527	17.4597	170
69 1,1,2-Trichloroethane	83	7.944	7.944 (0.910)		22089	19.0050	190
71 Tetrachloroethene	166	7.981	7.981 (0.914)		28299	18.6795	190
175 Ethyl methacrylate	69	7.811	7.811 (1.343)		38134	17.7244	180
72 1,3-Dichloropropane	76	8.097	8.096 (0.928)		45478	18.7600	190
73 2-Hexanone	43	8.139	8.139 (0.932)		25405	17.8960	180
74 Dibromochloromethane	129	8.261	8.261 (0.946)		27226	18.6789	190
76 Butyl Acetate	73	8.218	8.218 (0.941)		17711	37.0368	370
77 1,2-Dibromoethane	107	8.370	8.370 (0.959)		26395	17.8557	180
* 78 Chlorobenzene-d5	117	8.729	8.723 (1.000)		409158	50.0000	
79 Chlorobenzene	112	8.747	8.747 (1.002)		75080	19.2283	190
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820 (1.010)		28131	19.5220	200
81 Ethylbenzene	106	8.808	8.808 (1.009)		40179	19.9834	200
82 m+p-Xylene	106	8.906	8.906 (1.020)		98586	38.2071	380
84 o-Xylene	106	9.222	9.222 (1.056)		49795	19.3331	190
85 Styrene	104	9.240	9.240 (1.059)		84280	19.2510	190
83 Butyl Acrylate	73	9.185	9.185 (1.052)		21423	17.8231	180
86 Bromoform	173	9.405	9.404 (1.077)		20441	18.0525	180
87 Amyl Acetate	43	9.356	9.356 (0.892)		55452	28.6611	290
88 Isopropylbenzene	105	9.490	9.490 (1.087)		126593	19.8247	200
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648 (0.920)		177863	50.0275	50
90 Camphene (total)	41	9.666	9.666 (1.107)		6757	11.5730	120
91 Bromobenzene	156	9.757	9.757 (0.930)		33586	18.2679	180
92 1,1,2,2-Tetrachloroethane	83	9.770	9.769 (0.932)		39206	19.4217	190
93 1,2,3-Trichloropropane	110	9.812	9.812 (0.936)		12303	18.8790	190
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818 (0.936)		12168	17.3310	170
95 n-Propylbenzene	91	9.794	9.794 (0.934)		151960	19.8404	200
96 2-Chlorotoluene	91	9.885	9.885 (0.943)		101790	19.6983	200
97 1,3,5-Trimethylbenzene	105	9.928	9.928 (0.947)		104120	19.4467	190
98 4-Chlorotoluene	91	9.970	9.970 (0.951)		93585	19.5633	200
99 Butyl Methacrylate	87	9.982	9.982 (0.952)		35110	17.6278	180
184 4-Ethyltoluene	105	9.928	9.928 (1.707)		104120	19.0823	190
100 tert-Butylbenzene	119	10.159	10.159 (0.969)		90514	19.2740	190
101 1,2,4-Trimethylbenzene	105	10.201	10.201 (0.973)		106836	19.4800	190
103 sec-Butylbenzene	105	10.317	10.317 (0.984)		134207	19.6008	200
105 1,3-Dichlorobenzene	146	10.433	10.433 (0.995)		63895	19.4157	190
107 p-Isopropyltoluene	119	10.414	10.414 (0.993)		111529	19.2740	190
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487 (1.000)		218645	50.0000	
109 1,4-Dichlorobenzene	146	10.506	10.506 (1.002)		66870	19.2952	190
110 Benzyl Chloride	91	10.603	10.603 (1.011)		63883	16.1862	160

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c69999.d  
Report Date: 15-Aug-2012 11:44

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)
183 1,4-Diethylbenzene	119	10.688	10.688 (1.838)		69248	18.3571	180
106 n-Butylbenzene	91	10.706	10.706 (1.021)		130475	19.7865	200
171 Indan	117	10.658	10.658 (1.833)		118252	19.4193	190
111 1,2-Dichlorobenzene	146	10.773	10.773 (1.027)		59144	18.4930	180
182 1,2,4,5-Tetramethylbenzene	119	11.242	11.242 (1.933)		103411	19.0359	190
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339 (1.081)		8681	17.8280	180
114 1,2,4-Trichlorobenzene	180	11.972	11.972 (1.142)		40013	18.2093	180
115 Hexachlorobutadiene	225	12.063	12.063 (1.150)		21650	17.1711	170
116 Naphthalene	128	12.209	12.215 (1.164)		95703	19.1603	190
117 1,2,3-Trichlorobenzene	180	12.440	12.440 (1.186)		31361	18.4719	180
M 120 1,2-Dichloroethene (Total)	100				45213	35.9229	360
M 121 Xylene (Total)	100				148381	57.5402	580

Data File: c6999.d

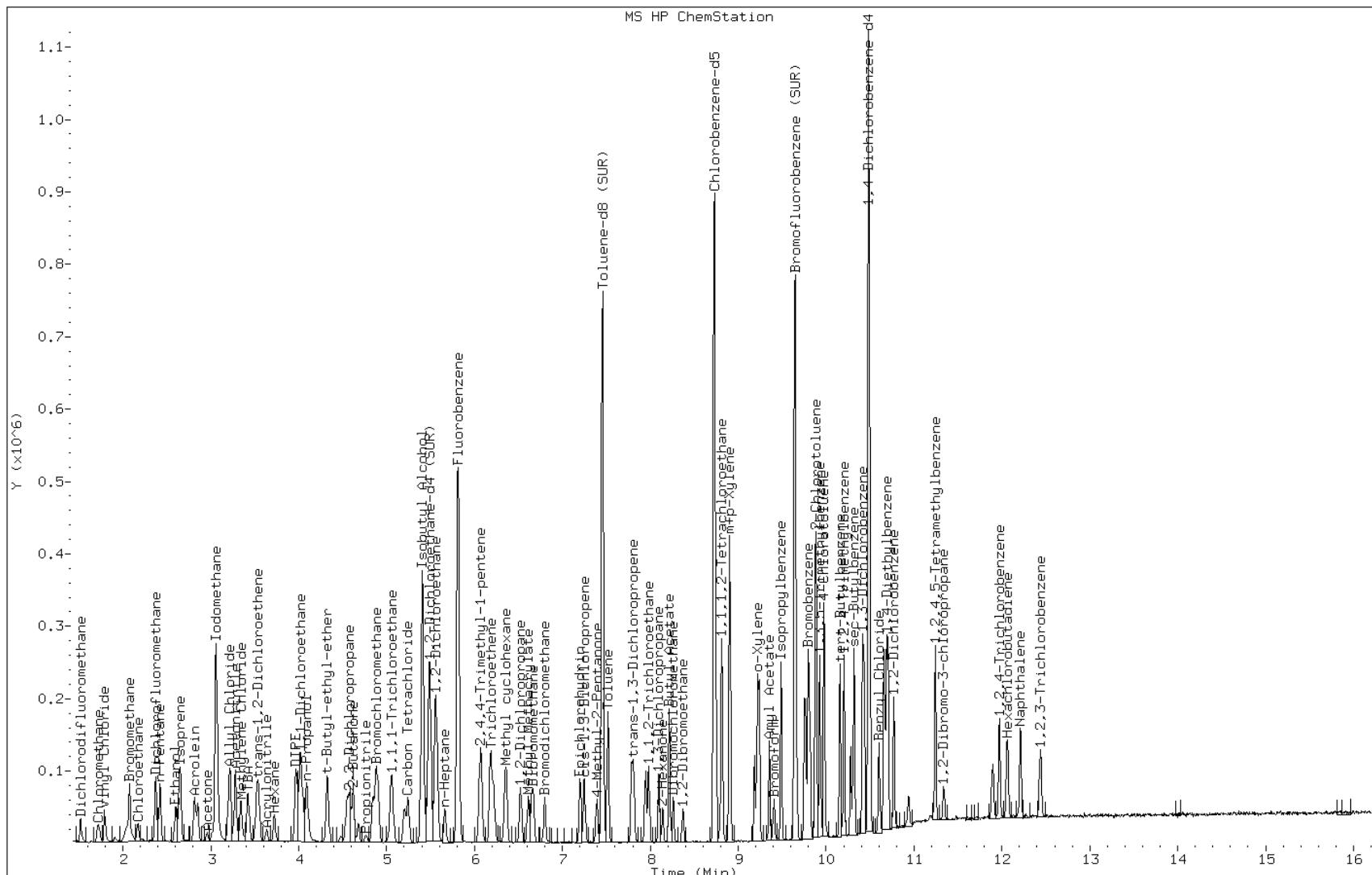
Date: 15-AUG-2012 04:39

Client ID: GWS-14/0-10

Instrument: VOAMS3.i

Sample Info: 460-43296-D-1MS;10

### Operator:



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43296-D-1 MSD  
 Matrix: Water Lab File ID: c70000.d  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 08/15/2012 05:03  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 10  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	210		10	1.0
74-83-9	Bromomethane	286		10	1.8
75-01-4	Vinyl chloride	228		10	1.4
75-00-3	Chloroethane	214		10	1.7
75-09-2	Methylene Chloride	208		10	1.8
67-64-1	Acetone	237		50	27
75-15-0	Carbon disulfide	151		10	1.3
75-69-4	Trichlorofluoromethane	226		10	1.5
75-35-4	1,1-Dichloroethene	210		10	0.90
75-34-3	1,1-Dichloroethane	198		10	1.3
156-60-5	trans-1,2-Dichloroethene	184		10	1.3
156-59-2	cis-1,2-Dichloroethene	205		10	1.8
67-66-3	Chloroform	217		10	0.80
78-93-3	2-Butanone	175		50	23
107-06-2	1,2-Dichloroethane	195		10	1.9
71-55-6	1,1,1-Trichloroethane	207		10	0.60
56-23-5	Carbon tetrachloride	203		10	0.60
71-43-2	Benzene	194		10	0.80
75-25-2	Bromoform	189		10	1.9
100-42-5	Styrene	203		10	1.2
179601-23-1	m&p-Xylene	387		20	2.5
95-47-6	o-Xylene	198		10	1.3
100-41-4	Ethylbenzene	210		10	1.0
108-90-7	Chlorobenzene	199		10	1.1
110-82-7	Cyclohexane	173		10	1.6
98-82-8	Isopropylbenzene	211		10	0.80
591-78-6	2-Hexanone	186		50	5.0
1634-04-4	MTBE	197		10	1.4
76-13-1	Freon TF	207		10	0.80
79-20-9	Methyl acetate	167		20	3.4
123-91-1	1,4-Dioxane	1370		500	360
79-01-6	Trichloroethene	199		10	0.90
108-88-3	Toluene	192		10	1.5
10061-02-6	trans-1,3-Dichloropropene	186		10	2.4
108-10-1	4-Methyl-2-pentanone	201		50	9.9
10061-01-5	cis-1,3-Dichloropropene	192		10	1.8

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43296-D-1 MSD  
Matrix: Water Lab File ID: c70000.d  
Analysis Method: 8260B Date Collected: \_\_\_\_\_  
Sample wt/vol: 5 (mL) Date Analyzed: 08/15/2012 05:03  
Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 10  
Soil Extract Vol.: \_\_\_\_\_ GC Column: Rtx-624 ID: 0.25 (mm)  
% Moisture: \_\_\_\_\_ Level: (low/med) Low  
Analysis Batch No.: 124070 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-50-1	1,2-Dichlorobenzene	207		10	2.1
541-73-1	1,3-Dichlorobenzene	210		10	1.4
106-46-7	1,4-Dichlorobenzene	201		10	2.3
120-82-1	1,2,4-Trichlorobenzene	207		10	3.4
87-61-6	1,2,3-Trichlorobenzene	224		10	5.1
78-87-5	1,2-Dichloropropane	202		10	0.90
108-87-2	Methylcyclohexane	182		10	1.4
127-18-4	Tetrachloroethene	191		10	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	191		10	4.0
79-34-5	1,1,2,2-Tetrachloroethane	208		10	1.6
79-00-5	1,1,2-Trichloroethane	201		10	1.9
124-48-1	Dibromochloromethane	200		10	2.0
106-93-4	1,2-Dibromoethane	187		10	2.8
75-71-8	Dichlorodifluoromethane	222		10	2.2
74-97-5	Bromochloromethane	182		10	2.7
75-27-4	Bromodichloromethane	201		10	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-130
2037-26-5	Toluene-d8 (Surr)	100		70-130
460-00-4	Bromofluorobenzene	101		70-130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c70000.d  
Report Date: 15-Aug-2012 11:45

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c70000.d  
Lab Smp Id: 460-43296-D-1MSD Client Smp ID: GWS-14/0-10  
Inj Date : 15-AUG-2012 05:03  
Operator : Inst ID: VOAMS3.i  
Smp Info : 460-43296-D-1MSD;10  
Misc Info : 460-43296-D-1  
Comment :  
Method : /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/8260\_09.m  
Meth Date : 15-Aug-2012 11:38 vibha Quant Type: ISTD  
Cal Date : 14-AUG-2012 16:08 Cal File: c69971.d  
Als bottle: 26 QC Sample: MSD  
Dil Factor: 10.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd2

Concentration Formula: Amt \* DF \* 5/Vo \* CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
2 Dichlorodifluoromethane	85	1.520	1.520 (0.261)		28180	22.1612	220
3 Chloromethane	50	1.721	1.715 (0.296)		38253	21.0070	210
4 Vinyl Chloride	62	1.794	1.794 (0.308)		37102	22.7644	230
6 Bromomethane	94	2.074	2.086 (0.357)		25431	28.5949	280
5 Chloroethane	64	2.165	2.183 (0.372)		19181	21.3780	210
180 Dichlorofluoromethane	67	2.366	2.372 (0.407)		46930	20.7540	210
7 Trichlorofluoromethane	101	2.372	2.378 (0.408)		45349	22.5723	220
8 n-Pentane	72	2.421	2.433 (0.416)		4656	27.0232	270
9 Ethanol	46	2.603	2.591 (0.448)		36746	3036.33	30000(R)
10 Isoprene	67	2.652	2.658 (0.456)		27886	20.1653	200
11 Ethyl Ether	59	2.640	2.640 (0.454)		19575	18.9614	190
13 Acrolein	56	2.822	2.822 (0.485)		11548	43.6394	440
15 1,1-Dichloroethene	96	2.852	2.852 (0.491)		17277	21.0119	210
14 Freon TF	101	2.816	2.822 (0.484)		21354	20.7154	210
16 Acetone	43	2.956	2.956 (0.508)		13689	23.7457	240
17 Iodomethane	142	3.017	3.017 (0.519)		19419	13.2805	130

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c70000.d  
 Report Date: 15-Aug-2012 11:45

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
18 Carbon Disulfide	76	3.047	3.053	( 0.524)		30552	15.1472
20 Allyl Chloride	76	3.199	3.205	( 0.550)		11662	20.3035
21 Acetonitrile	39	3.278	3.278	( 0.564)		19297	336.608
170 Cyclopentene	67	3.224	3.224	( 0.554)		40348	17.0216
27 Methyl Acetate	43	3.224	3.224	( 0.554)		29444	16.6929
22 Methylene Chloride	84	3.339	3.339	( 0.574)		23002	20.8407
24 TBA	59	3.424	3.418	( 0.589)		93601	466.964
25 trans-1,2-Dichloroethene	96	3.546	3.546	( 0.610)		19646	18.3865
26 Acrylonitrile	53	3.631	3.637	( 0.624)		14598	21.9723
28 MTBE	73	3.528	3.522	( 0.607)		79505	19.6737
29 Hexane	56	3.728	3.728	( 0.641)		9890	17.1120
30 1,1-Dichloroethane	63	3.996	3.996	( 0.687)		45634	19.7786
31 Vinyl Acetate	43	4.020	4.020	( 0.691)		104227	37.4256
32 DIPE	45	3.966	3.966	( 0.682)		92627	19.8523
33 Allyl Alcohol	57	4.045	4.027	( 0.696)		143416	2990.99
34 n-Propanol	60	4.100	4.081	( 0.705)		26958	2961.50
35 t-Butyl-ethyl-ether	59	4.325	4.325	( 0.744)		86806	19.7524
37 2,2-Dichloropropane	77	4.556	4.556	( 0.783)		38927	19.0383
36 cis-1,2-Dichloroethene	96	4.580	4.586	( 0.788)		28040	20.5491
38 2-Butanone	72	4.623	4.611	( 0.795)		4458	17.4823
39 Ethyl Acetate	70	4.617	4.623	( 0.794)		7137	38.5112
40 Bromochloromethane	128	4.842	4.848	( 0.833)		12849	18.1802
41 Tetrahydrofuran	42	4.848	4.848	( 0.834)		14980	21.8858
42 Chloroform	83	4.903	4.903	( 0.843)		49754	21.6739
43 1,1,1-Trichloroethane	97	5.067	5.067	( 0.871)		40109	20.6904
44 Cyclohexane	56	5.049	5.049	( 0.868)		32436	17.2612
45 Carbon Tetrachloride	117	5.201	5.207	( 0.894)		32704	20.2617
46 1,1-Dichloropropene	75	5.243	5.243	( 0.902)		31503	17.6397
\$ 47 1,2-Dichloroethane-d4 (SUR)	65	5.493	5.493	( 0.945)		144387	50.6677
48 Benzene	78	5.474	5.474	( 0.628)		100232	19.4195
173 Propionitrile	54	4.769	4.763	( 0.820)		12647	43.1858
49 1,2-Dichloroethane	62	5.584	5.584	( 0.960)		38303	19.4954
181 Isobutyl Alcohol	43	5.408	5.401	( 0.930)		320143	3014.61
174 Methacrylonitrile	67	4.878	4.878	( 0.839)		29499	19.3672
51 n-Heptane	57	5.657	5.669	( 0.973)		11380	14.9243
50 t-Amyl-methyl-ether	73	5.560	5.560	( 0.956)		81761	20.4167
61 Isopropyl Acetate	43	5.554	5.554	( 0.955)		165278	38.6605
* 52 Fluorobenzene	96	5.815	5.815	( 1.000)		500444	50.0000
166 2,4,4-Trimethyl-1-pentene	112	6.065	6.077	( 1.043)		16008	36.9469
54 Trichloroethene	95	6.217	6.217	( 1.069)		25971	19.8815
53 n-Butanol	41	6.186	6.174	( 1.064)		76175	1509.32
56 Methyl cyclohexane	83	6.357	6.350	( 1.093)		33927	18.1645
55 Ethyl Acrylate	55	6.357	6.363	( 1.093)		73394	19.7610
57 1,2-Dichloropropane	63	6.521	6.521	( 1.121)		28790	20.1958
58 Dibromomethane	93	6.649	6.649	( 1.143)		16503	18.4986
60 1,4-Dioxane	88	6.649	6.649	( 1.143)		4368	137.204
59 Methyl Methacrylate	100	6.612	6.612	( 1.137)		8799	17.8544

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c70000.d  
 Report Date: 15-Aug-2012 11:45

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	( ug/L)
75 Propyl Acetate	43	6.667	6.667	(1.146)		53059	37.2664
68 Bromodichloromethane	83	6.801	6.801	(1.169)		37024	20.0828
63 Epichlorohydrin	57	7.202	7.202	(0.826)		68392	354.825
67 cis-1,3-Dichloropropene	75	7.251	7.251	(0.831)		43912	19.1590
70 4-Methyl-2-Pentanone	43	7.391	7.391	(0.847)		38668	20.0888
\$ 65 Toluene-d8 (SUR)	98	7.458	7.458	(0.855)		415504	49.8835
66 Toluene	91	7.519	7.519	(0.862)		111186	19.1686
64 trans-1,3-Dichloropropene	75	7.786	7.786	(0.893)		42307	18.6205
69 1,1,2-Trichloroethane	83	7.944	7.944	(0.911)		22898	20.1269
71 Tetrachloroethene	166	7.981	7.981	(0.915)		28380	19.1379
175 Ethyl methacrylate	69	7.811	7.811	(1.343)		39173	18.7117
72 1,3-Dichloropropane	76	8.096	8.096	(0.928)		45807	19.3042
73 2-Hexanone	43	8.139	8.139	(0.933)		25808	18.5729
74 Dibromochloromethane	129	8.261	8.261	(0.947)		28542	20.0050
76 Butyl Acetate	73	8.212	8.218	(0.941)		17122	36.5790
77 1,2-Dibromoethane	107	8.370	8.370	(0.960)		27024	18.6764
* 78 Chlorobenzene-d5	117	8.723	8.723	(1.000)		400501	50.0000
79 Chlorobenzene	112	8.747	8.747	(1.003)		75990	19.8820
80 1,1,1,2-Tetrachloroethane	131	8.820	8.820	(1.011)		27870	19.7589
81 Ethylbenzene	106	8.808	8.808	(1.010)		41426	21.0489
82 m+p-Xylene	106	8.906	8.906	(1.021)		97728	38.6933
84 o-Xylene	106	9.222	9.222	(1.057)		49798	19.7522
85 Styrene	104	9.240	9.240	(1.059)		86965	20.2937
83 Butyl Acrylate	73	9.185	9.185	(1.053)		22330	18.9793
86 Bromoform	173	9.404	9.404	(1.078)		20903	18.8595
87 Amyl Acetate	43	9.356	9.356	(0.892)		60079	32.2396
88 Isopropylbenzene	105	9.490	9.490	(1.088)		131849	21.0941
\$ 89 Bromofluorobenzene (SUR)	174	9.648	9.648	(0.920)		173053	50.5352
90 Camphene (total)	41	9.666	9.666	(1.108)		7018	12.2798
91 Bromobenzene	156	9.757	9.757	(0.930)		36207	20.4463
92 1,1,2,2-Tetrachloroethane	83	9.769	9.769	(0.932)		40388	20.7720
93 1,2,3-Trichloropropane	110	9.812	9.812	(0.936)		12605	20.0818
94 trans-1,4-Dichloro-2-butene	53	9.818	9.818	(0.936)		12222	18.0733
95 n-Propylbenzene	91	9.794	9.794	(0.934)		155350	21.0583
96 2-Chlorotoluene	91	9.885	9.885	(0.943)		104053	20.9059
97 1,3,5-Trimethylbenzene	105	9.928	9.928	(0.947)		109298	21.1942
98 4-Chlorotoluene	91	9.970	9.970	(0.951)		94819	20.5790
99 Butyl Methacrylate	87	9.982	9.982	(0.952)		37334	19.4609
184 4-Ethyltoluene	105	9.928	9.928	(1.707)		109298	20.5862
100 tert-Butylbenzene	119	10.159	10.159	(0.969)		95079	21.0200
101 1,2,4-Trimethylbenzene	105	10.201	10.201	(0.973)		107759	20.3994
103 sec-Butylbenzene	105	10.317	10.317	(0.984)		142078	21.5436
105 1,3-Dichlorobenzene	146	10.433	10.433	(0.995)		66559	20.9983
107 p-Isopropyltoluene	119	10.414	10.414	(0.993)		119197	21.3865
* 108 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)		210595	50.0000
109 1,4-Dichlorobenzene	146	10.499	10.506	(1.001)		67157	20.1188
110 Benzyl Chloride	91	10.603	10.603	(1.011)		63709	16.7592

Data File: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b/c70000.d  
Report Date: 15-Aug-2012 11:45

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN ( ug/L)
183 1,4-Diethylbenzene	119	10.688	10.688 (1.838)		77662	21.1578	210
106 n-Butylbenzene	91	10.706	10.706 (1.021)		135292	21.3012	210
171 Indan	117	10.658	10.658 (1.833)		118497	19.9986	200
111 1,2-Dichlorobenzene	146	10.773	10.773 (1.027)		63832	20.7218	210
182 1,2,4,5-Tetramethylbenzene	119	11.242	11.242 (1.933)		107627	20.3607	200
112 1,2-Dibromo-3-chloropropane	75	11.339	11.339 (1.081)		8939	19.0596	190
114 1,2,4-Trichlorobenzene	180	11.972	11.972 (1.142)		43788	20.6889	210
115 Hexachlorobutadiene	225	12.063	12.063 (1.150)		23514	19.3624	190
116 Naphthalene	128	12.209	12.215 (1.164)		108424	22.5369	220
117 1,2,3-Trichlorobenzene	180	12.440	12.440 (1.186)		36564	22.3597	220
M 120 1,2-Dichloroethene (Total)	100				47686	38.9355	390
M 121 Xylene (Total)	100				147526	58.4454	580

#### QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: c70000.d

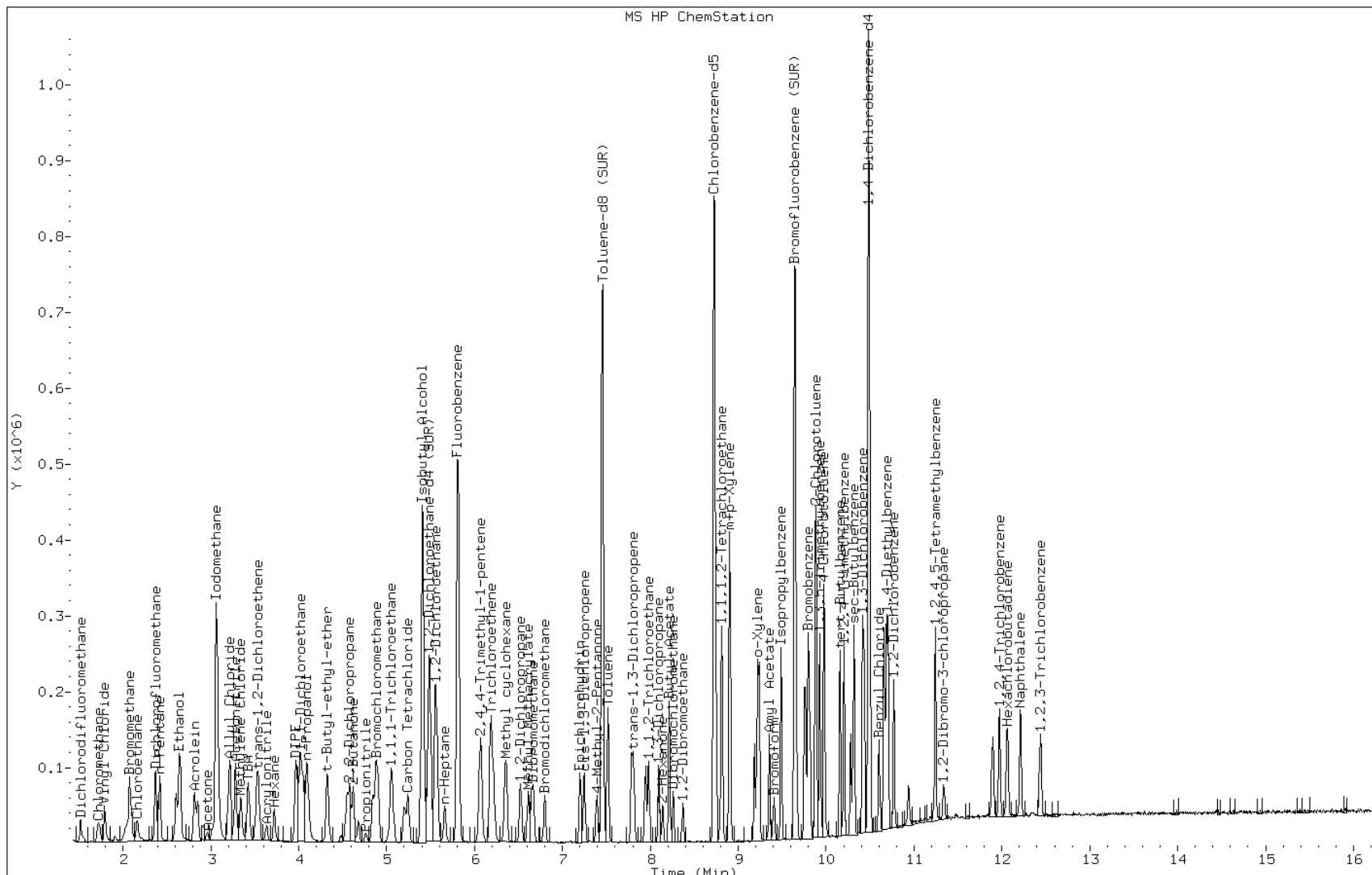
Date: 15-AUG-2012 05:03

Client ID: GWS-14/0-10

Instrument: VOAMS3.i

Sample Info: 460-43296-D-1MSD;10

Operator:



## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS12 Start Date: 07/20/2012 22:55Analysis Batch Number: 121151 End Date: 07/21/2012 04:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-121151/1		07/20/2012 22:55	1	o62497.d	DB-624 0.18 (mm)
IC 460-121151/2		07/21/2012 00:10	1	o62499.d	DB-624 0.18 (mm)
IC 460-121151/3		07/21/2012 01:00	1	o62501.d	DB-624 0.18 (mm)
ICIS 460-121151/4		07/21/2012 01:25	1	o62502.d	DB-624 0.18 (mm)
IC 460-121151/5		07/21/2012 01:50	1	o62503.d	DB-624 0.18 (mm)
IC 460-121151/6		07/21/2012 02:15	1	o62504.d	DB-624 0.18 (mm)
IC 460-121151/7		07/21/2012 02:40	1	o62505.d	DB-624 0.18 (mm)
ZZZZZ		07/21/2012 04:32	1		DB-624 0.18 (mm)

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-43235-1

SDG No.:

Instrument ID: VOAMS12Start Date: 08/10/2012 19:57Analysis Batch Number: 123595End Date: 08/11/2012 08:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-123595/1		08/10/2012 19:57	1	o63291.d	DB-624 0.18 (mm)
CCVIS 460-123595/2		08/10/2012 20:48	1	o63292.d	DB-624 0.18 (mm)
LCS 460-123595/3		08/10/2012 21:38	1	o63294.d	DB-624 0.18 (mm)
LCSD 460-123595/4		08/10/2012 22:43	1	o63295.d	DB-624 0.18 (mm)
MB 460-123595/5		08/11/2012 00:10	1	o63298.d	DB-624 0.18 (mm)
ZZZZZ		08/11/2012 00:43	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 01:08	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 01:33	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 01:58	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 02:23	1		DB-624 0.18 (mm)
460-43235-1	20120807SB-437V0-2N	08/11/2012 02:48	1	o63304.d	DB-624 0.18 (mm)
460-43235-3	20120807SB-436V0-2N	08/11/2012 03:13	1	o63305.d	DB-624 0.18 (mm)
460-43235-4	20120807SB-435V0-2N	08/11/2012 03:38	1	o63306.d	DB-624 0.18 (mm)
460-43235-2	20120807SB-438V5-6N	08/11/2012 04:03	1	o63307.d	DB-624 0.18 (mm)
ZZZZZ		08/11/2012 04:28	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 04:53	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 05:18	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 05:43	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 06:08	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 06:33	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 06:58	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 07:23	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 07:48	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 08:12	1		DB-624 0.18 (mm)
ZZZZZ		08/11/2012 08:37	1		DB-624 0.18 (mm)

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: VOAMS3 Start Date: 08/14/2012 06:44Analysis Batch Number: 124069 End Date: 08/14/2012 16:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-124069/1		08/14/2012 06:44	1	c69952.d	Rtx-624 0.25 (mm)
ICIS 460-124069/2		08/14/2012 08:47	1	c69957.d	Rtx-624 0.25 (mm)
IC 460-124069/3		08/14/2012 09:11	1	c69958.d	Rtx-624 0.25 (mm)
IC 460-124069/4		08/14/2012 09:34	1	c69959.d	Rtx-624 0.25 (mm)
IC 460-124069/5		08/14/2012 09:57	1	c69960.d	Rtx-624 0.25 (mm)
IC 460-124069/6		08/14/2012 15:41	1	c69970.d	Rtx-624 0.25 (mm)
IC 460-124069/7		08/14/2012 16:08	1	c69971.d	Rtx-624 0.25 (mm)

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-43235-1

SDG No.:

Instrument ID: VOAMS3Start Date: 08/14/2012 18:06Analysis Batch Number: 124070End Date: 08/15/2012 05:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-124070/1		08/14/2012 18:06	1	c69974.d	Rtx-624 0.25 (mm)
CCVIS 460-124070/2		08/14/2012 18:24	1	c69975.d	Rtx-624 0.25 (mm)
LCS 460-124070/3		08/14/2012 18:48	1	c69976.d	Rtx-624 0.25 (mm)
MB 460-124070/4		08/14/2012 20:44	1	c69979.d	Rtx-624 0.25 (mm)
ZZZZZ		08/14/2012 21:21	1		Rtx-624 0.25 (mm)
ZZZZZ		08/14/2012 21:44	1		Rtx-624 0.25 (mm)
ZZZZZ		08/14/2012 22:07	1		Rtx-624 0.25 (mm)
ZZZZZ		08/14/2012 22:30	1		Rtx-624 0.25 (mm)
ZZZZZ		08/14/2012 22:53	1		Rtx-624 0.25 (mm)
ZZZZZ		08/14/2012 23:16	1		Rtx-624 0.25 (mm)
460-43235-5	20120807EB	08/14/2012 23:39	1	c69986.d	Rtx-624 0.25 (mm)
460-43235-6	20120807TB	08/15/2012 00:02	1	c69987.d	Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 00:25	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 00:48	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 01:11	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 01:34	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 01:57	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 02:21	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 02:44	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 03:53	1		Rtx-624 0.25 (mm)
ZZZZZ		08/15/2012 04:16	1		Rtx-624 0.25 (mm)
460-43296-D-1 MS		08/15/2012 04:39	10	c69999.d	Rtx-624 0.25 (mm)
460-43296-D-1 MSD		08/15/2012 05:03	10	c70000.d	Rtx-624 0.25 (mm)

## GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Batch Number: 123168

Batch Start Date: 08/08/12 17:07

Batch Analyst: Jin, Fangzhou

Batch Method: 5035

Batch End Date: 08/08/12 17:42

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
460-43235-C-1	20120807SB-437V0 -2N	5035, 8260B	T	4.16 g	5 mL				
460-43235-C-2	20120807SB-438V5 -6N	5035, 8260B	T	4.63 g	5 mL				
460-43235-C-3	20120807SB-436V0 -2N	5035, 8260B	T	4.24 g	5 mL				
460-43235-C-4	20120807SB-435V0 -2N	5035, 8260B	T	3.54 g	5 mL				

## Batch Notes

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Basis	Basis Description
T	Total/NA

Page 1

Date	Data File	ALS ID	Sample ID	Client ID	IV/ IR	FV	Dil Fac	Sublist	PH	STD	Comments
07/20/12 2255	062497.d	2	BFB		0	0	1	all		LOT	
07/20/12 2344	062498.d	1	IC-VMCALL		5	5	1	all		8280 LOW	G
07/21/12 0010	062499.d	2	IC-VMCALL		5	5	1	all		5702 SURROGATE GAS 50.03	Null
07/21/12 0035	062500.d	3	IC-VMCALL2		5	5	1	all		629211 MIX 15.01	G
07/21/12 0100	062501.d	4	IC-VMCALL2		5	5	1	all		607352 G	
07/21/12 0125	062502.d	5	ICIS-VMCALL3		5	5	1	all		607353 G	
07/21/12 0150	062503.d	6	IC-VMCALL4		5	5	1	all		629212 MIX 15.01	N.M.
07/21/12 0215	062504.d	7	IC-VMCALL5		5	5	1	all		629213 G	
07/21/12 0240	062505.d	8	IC-VMCALL6		5	5	1	all		629214 G	
07/21/12 0313	062506.d	9	BLK		5	5	1	all		606890 G	
07/21/12 0338	062507.d	10	BLK		5	5	1	all		606891 G	
07/21/12 0432	062508.d	11	ICV		5	5	1	all		606892 N.M.	

signed: Ben Bonkin

Read and Understood by:

Ed by: Eddie

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TESTANERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: woAMS12.i  
Analytical Batch: /chem/woAMS12.i/8260L\_10/07-20-12/10aug12a.b

Date Generated: 08/13/2012

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# 123595

Date	Data File	ALS	Sample ID	Client ID	IV/ IW	FV	Dil Fac	Sublist	PH	STD	LOT	COMMENTS
08/10/12 1957	063291.d	2	BFB		0	0	1	all				
08/10/12 2048	063292.d	1	CCVIS		5	5	1	all		8260 LOW		C
08/10/12 2113	063293.d	2	LCS		5	5	1	all				
08/10/12 2138	063294.d	3	LCS		5	5	1	all				
08/10/12 2243	063295.d	4	LCSD		5	5	1	all				
08/10/12 2320	063296.d	5	MB		5	5	1	all				
08/10/12 2345	063297.d	6	MB		5	5	1	all				
08/11/12 0010	063298.d	7	MB		5.23	5	1	all				
08/11/12 0043	063299.d	8	460-43103-C-15-A	201208035B-388Y0-2N	5.12	5	1	all				
08/11/12 0108	063300.d	9	460-43175-C-1-A		3.95	5	1	all				
08/11/12 0133	063301.d	10	460-43175-C-3-A		5.03	5	1	all				
08/11/12 0158	063302.d	11	460-43175-J-8-A		4.6	5	1	all				
08/11/12 0223	063303.d	12	460-43249-B-1-A	APP-348-96	4.51	5	1	all				
08/11/12 0248	063304.d	13	460-43235-C-1-A	20120807SB-437W0-2N	4.16	5	1	all				

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS12.i

Analytical Batch: /chen/VOAMS12.i/8260L\_10/07-20-12/10aug12a.b

Date Generated: 08/13/2012

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Date	Data File	ALS	Sample ID	Client ID	IV/ IN	FV	Dil	Sublist	PH	STD	Comments
08/11/12 0313	063305.d	14	460-43235-C-3-A	20120807SB-436V0-2N	4.24	5	1	all			C
08/11/12 0338	063306.d	15	460-43235-C-4-A	20120807SB-435V0-2N	3.54	5	1	all			C
08/11/12 0403	063307.d	16	460-43235-C-2-A	20120807SB-438V5-6N	4.63	5	1	all			C
08/11/12 0428	063308.d	17	460-43294-D-1-A	SB-23/1.0-1.5	6.31	5	1	all			C
08/11/12 0453	063309.d	18	460-43294-C-2-A	SB-23/4.5-5.0	5.87	5	1	all			C
08/11/12 0518	063310.d	19	460-43294-C-3-A	SB-23/5.0-5.5	5.1	5	1	all			C
08/11/12 0543	063311.d	20	460-43291-B-1-A	B-1	5.56	5	1	all			C
08/11/12 0608	063312.d	21	460-43291-B-2-A	B-2	4.59	5	1	all			C
08/11/12 0633	063313.d	22	460-43291-B-3-A	B-3	5.79	5	1	all			C
08/11/12 0658	063314.d	23	460-43291-B-4-A	B-4	5.26	5	1	all			C
08/11/12 0723	063315.d	24	460-43291-B-5-A	B-5	5.09	5	1	all			C
08/11/12 0748	063316.d	25	460-43291-B-6-A	B-6	4.5	5	1	all			C
08/11/12 0812	063317.d	26	LB3 460-123347/1-A		5	5	1	all			N/A out of clock
08/11/12 0837	063318.d	27	LB3 460-123187/1-A		5	5	1	all			NG ✓

Signed: Robert for Eddie Read and Understood by: Eddie

08/13/12

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS3.i  
Analytical Batch: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12.b

Date Generated: 08/15/2012

Page 1

# 124069

Date	Data File	ALS	Sample ID	Client ID	IV/ IM	FV	Dil Fac	Sublist	PH	STD	LOT	COMMENTS
08/14/12 0644	c69952.d	2	BFB		0	0	1	all	157301	1682756	G	
08/14/12 0715	c69953.d	2	BLANK		5	0	1	all	164399	1663006	N	
08/14/12 0738	c69954.d	3	IC-VCALL		5	0	1	all	1643015	1663017	N	
08/14/12 0801	c69955.d	4	IC-VCALL		5	0	1	all	1643015	1663017	N	
08/14/12 0824	c69956.d	5	IC-VCALL2		5	0	1	all	1643015	1663017	N	
08/14/12 0847	c69957.d	6	ICIS-VCALL3		5	0	1	all	1643015	1663017	N	
08/14/12 0911	c69958.d	7	IC-VCALL4		5	0	1	all	1643015	1663017	N	
08/14/12 0934	c69959.d	8	IC-VCALL5		5	0	1	all	1643015	1663017	G	
08/14/12 0957	c69960.d	9	IC-VCALL6		5	0	1	all	1643015	1663017	G	
08/14/12 1020	c69961.d	10	BLANK		5	0	1	all	1643015	1663017	G	
08/14/12 1043	c69962.d	11	BLANK		5	0	1	all	1643015	1663017	G	
08/14/12 1116	c69963.d	12	BLANK		5	0	1	all	1643015	1663017	G	
08/14/12 1148	c69964.d	13	BLANK		5	0	1	all	1643015	1663017	G	
08/14/12 1218	c69965.d	14	IC-VCALL1		5	0	1	all	1643015	1663017	G	

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS3.i  
Analytical Batch: /chem/VOAMS3.i/8250\_09/08-14-12/14aug12.b

Date Generated: 08/15/2012  
Page 2

Date	Data File	ALS ID	Sample ID	Client ID	IV/ IR	FV	Dil	Sublist	PH	STD	COMMENTS
08/14/12 1241	c69966.d	15	IC-VCALL2		5	0	1	all			NS
08/14/12 1432	c69967.d	16	IC-VCALL0.5		5	0	1	all			NS
08/14/12 1455	c69968.d	17	IC-VCALL1		5	0	1	all			NS
08/14/12 1518	c69969.d	18	IC-VCALL2		5	0	1	all			NS
08/14/12 1541	c69970.d	19	IC-VCALL1		5	0	1	all			NS
08/14/12 1608	c69971.d	20	IC-VCALL2		5	0	1	all			G
											G

Signed: Oxsteter, Monica Read and Understood by: John Del Norte

Date: 8-15-12 Date: 8/15/12

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS3.i  
Analytical Batch: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b

Date Generated: 08/15/2012  
Page 1

#124070

Date	Data File	ALS ID	Sample ID	Client ID	IV/ IN	PV	Dil	Sublist	PH	STD	LOT	COMMENTS
08/14/12 1806	c69974.d	2	BFB		0	0	1	all		15	Strain	G
08/14/12 1824	c69975.d	2	CCVIS		5	0	1	all		166899	1663006	G
08/14/12 1848	c69976.d	3	LCS		5	0	1	all		1663005	1663002	G
08/14/12 2005	c69978.d	5	MB		5	0	1	all		1663007	1663007	N
08/14/12 2044	c69979.d	6	MB		5	0	1	all		1663009	1663001	G
08/14/12 2121	c69980.d	6	460-43103-B-18	20120803EB	5	0	1	all		1663006	1663003	G
08/14/12 2144	c69981.d	7	460-43185-B-19		5	0	1	all		1663004	1663004	G
08/14/12 2207	c69982.d	8	460-43185-B-20		5	0	1	all		1663002	1663002	G
08/14/12 2230	c69983.d	9	460-43228-B-6	TB-080712	5	0	1	all		1663001	1663001	G
08/14/12 2253	c69984.d	10	460-43103-B-19	20120803TB	5	0	1	all		1663005	1663005	G
08/14/12 2316	c69985.d	11	460-43228-B-7	FB-080712	5	0	1	all		1663004	1663004	G
08/14/12 2339	c69986.d	12	460-43235-B-5	20120807EB	5	0	1	all		1663003	1663003	G
08/15/12 0002	c69987.d	13	460-43235-B-6	20120807TB	5	0	1	all		1663002	1663002	G

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: VOAMS3.i  
Analytical Batch: /chem/VOAMS3.i/8260\_09/08-14-12/14aug12a.b

Date Generated: 08/15/2012  
Page 2

Date	Data File	ALS	Sample ID	Client ID	IV/	FV	Dil	Sublist	PH	STD	COMMENTS
					IN		Frac			LOT	
08/15/12 0025	c69988.d	14	460-43296-D-1	GWS-14/0-10	5	0	1	all	L2	G	
08/15/12 0048	c69989.d	15	460-43296-D-2	GWS-15/0-10	5	0	1	all	L2	G	
08/15/12 0111	c69990.d	16	460-43296-E-3	GWS-16/0-10	5	0	1	all	L2	G	
08/15/12 0134	c69991.d	17	460-43296-E-4	GWS-17/0-10	5	0	1	all	L2	G	
08/15/12 0157	c69992.d	18	460-43296-E-5	GWS-18/0-10	5	0	1	all	L2	G	
08/15/12 0221	c69993.d	19	460-43296-E-6	GWS-19/0-10	5	0	1	all	L2	G	
08/15/12 0244	c69994.d	20	460-43296-E-7	GWS-20/0-10	5	0	1	all	L2	G	
08/15/12 0307	c69995.d	21	460-43296-E-8	GWS-21/0-10	5	0	1	all	L2	G	
08/15/12 0330	c69996.d	22	460-43296-E-9	GWS-23/0-10	5	0	1	all	L2	RE C10	
08/15/12 0353	c69997.d	23	460-43296-D-10	TRIP BLANK	5	0	1	all	L2	G	
08/15/12 0416	c69998.d	24	460-43512-A-1		5	0	1	all	L2	G	
08/15/12 0439	c69999.d	25	460-43296-D-1MS	GWS-14/0-10	5	0	10	all	L2	G	
08/15/12 0503	c70000.d	26	460-43296-D-1MSD	GWS-14/0-10	5	0	10	all	L2	G	
08/15/12 0526	c70001.d	27	BLANK		5	0	1	all	L2	G	

Signed: Eddie Mervine 2

Read and Understood by: Christopher Money

8-14-12

Dilution -

10x = Sml  $\Rightarrow$  SmL

# **Method 8270C**

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**Semivolatile Organic Compounds  
(GC/MS) by Method 8270C**

FORM II  
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low  
GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
20120807SB-437V0-2 N	460-43235-1	76	75	79	84	51	77
20120807SB-438V5-6 N	460-43235-2	71	76	76	95	71	64
20120807SB-436V0-2 N	460-43235-3	71	74	68	73	58	77
20120807SB-435V0-2 N	460-43235-4	74	76	69	83	75	69
	MB 460-123428/1-A	73	74	73	75	64	74
	LCS 460-123428/2-A	63	61	63	68	67	62
	460-43228-A-4-A MS	66	63	67	75	54	60
	460-43228-A-4-B MSD	66	63	66	74	55	61

QC LIMITS	
2FP = 2-Fluorophenol	37-125
PHL = Phenol-d5	41-118
NBZ = Nitrobenzene-d5	38-105
FBP = 2-Fluorobiphenyl	40-109
TBP = 2,4,6-Tribromophenol	10-120
TPH = Terphenyl-d14	16-151

# Column to be used to flag recovery values

FORM II 8270C

FORM II  
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low  
GC Column (1): Rtx-5MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
20120807EB	460-43235-5	43	28	91	88	104	103
	MB 460-123287/1-A	50	31	96	93	105	108
	LCS 460-123287/2-A	48	30	92	91	103	98
	460-43236-N-9-A MS	44	25	115 X	94	107	82
	460-43236-M-9-A MSD	45	26	114 X	96	104	80

QC LIMITS	
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
FBP = 2-Fluorobiphenyl	53-108
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

# Column to be used to flag recovery values

FORM II 8270C

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: x29280.d

Lab ID: LCS 460-123287/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Phenol	100	33.9	34	12-44	
2-Chlorophenol	100	90.5	91	53-101	
2-Methylphenol	100	75.9	76	40-90	
4-Methylphenol	100	71.7	72	30-75	
Benzaldehyde	100	130	130	52-150	
Acetophenone	100	99.6	100	68-109	
Bis(2-chloroethyl)ether	100	90.0	90	62-108	
2,2'-oxybis[1-chloropropane]	100	93.8	94	68-107	
N-Nitrosodi-n-propylamine	100	95.8	96	70-109	
Nitrobenzene	100	91.0	91	66-106	
Hexachloroethane	100	93.0	93	50-99	
Isophorone	100	89.1	89	68-108	
2-Nitrophenol	100	98.1	98	65-107	
2,4-Dimethylphenol	100	80.9	81	55-100	
2,4-Dichlorophenol	100	99.4	99	64-107	
Bis(2-chloroethoxy)methane	100	96.0	96	69-108	
Naphthalene	100	94.2	94	63-101	
4-Chloroaniline	100	85.7	86	58-105	
Hexachlorobutadiene	100	91.2	91	52-99	
Caprolactam	100	19.2	19	10-30	
4-Chloro-3-methylphenol	100	96.6	97	57-106	
2-Methylnaphthalene	100	92.4	92	66-102	
Hexachlorobenzene	100	102	102	65-107	
Hexachlorocyclopentadiene	100	69.4	69	40-105	
2,4,6-Trichlorophenol	100	102	102	67-111	
2,4,5-Trichlorophenol	100	105	105	67-114	
Diphenyl	100	95.8	96	66-112	
2-Chloronaphthalene	100	92.7	93	65-107	
2-Nitroaniline	100	90.0	90	73-116	
2,6-Dinitrotoluene	100	98.0	98	68-114	
Dimethyl phthalate	100	101	101	69-111	
Acenaphthylene	100	95.0	95	67-107	
3-Nitroaniline	100	97.5	98	59-108	
Acenaphthene	100	95.0	95	66-108	
4-Nitrophenol	100	37.3	37	10-44	
2,4-Dinitrophenol	100	70.3	70	19-113	
Dibenzofuran	100	95.7	96	68-105	
Diethyl phthalate	100	95.3	95	66-109	
Fluorene	100	96.3	96	68-105	
Fluoranthene	100	94.5	95	68-108	
Di-n-butyl phthalate	100	96.6	97	68-111	
2,4-Dinitrotoluene	100	95.1	95	65-113	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: x29280.d

Lab ID: LCS 460-123287/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	100	97.4	97	68-105	
4-Nitroaniline	100	99.0	99	49-119	
4,6-Dinitro-2-methylphenol	100	97.8	98	58-115	
4-Bromophenyl phenyl ether	100	104	104	66-110	
Atrazine	100	78.6	79	56-116	
Anthracene	100	96.2	96	68-108	
Carbazole	100	98.1	98	67-110	
Phenanthrene	100	99.4	99	68-110	
Pentachlorophenol	100	93.8	94	55-116	
Pyrene	100	102	102	61-110	
Chrysene	100	101	101	68-112	
Benzo[k]fluoranthene	100	97.5	97	66-114	
Benzo[g,h,i]perylene	100	109	109	65-134	
Benzo[b]fluoranthene	100	93.7	94	65-111	
Benzo[a]pyrene	100	98.8	99	58-101	
Benzo[a]anthracene	100	93.9	94	65-106	
N-Nitrosodiphenylamine	100	107	107	71-121	
Butyl benzyl phthalate	100	99.8	100	66-115	
Bis(2-ethylhexyl) phthalate	100	102	102	66-114	
Di-n-octyl phthalate	100	99.7	100	51-115	
Indeno[1,2,3-cd]pyrene	100	101	101	68-121	
Dibenz(a,h)anthracene	100	109	109	67-124	
3,3'-Dichlorobenzidine	100	105	105	69-129	
1,2,4,5-Tetrachlorobenzene	100	86.7	87	70-130	
2,3,4,6-Tetrachlorophenol	100	95.2	95	70-130	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: z11899.d

Lab ID: LCS 460-123428/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Phenol	6670	4630	69	54-115	
2-Chlorophenol	6670	4710	71	56-110	
2-Methylphenol	6670	4940	74	54-117	
4-Methylphenol	6670	5050	76	47-103	
Benzaldehyde	3330	1340	40	10-160	
Acetophenone	3330	2430	73	40-95	
Bis(2-chloroethyl)ether	3330	2760	83	44-101	
2,2'-oxybis[1-chloropropane]	3330	2310	69	45-102	
N-Nitrosodi-n-propylamine	3330	2450	74	42-107	
Nitrobenzene	3330	2570	77	42-106	
Hexachloroethane	3330	2510	75	45-90	
Isophorone	3330	2290	69	48-97	
2-Nitrophenol	6670	5360	80	55-101	
2,4-Dimethylphenol	6670	5250	79	56-112	
2,4-Dichlorophenol	6670	5140	77	58-115	
Bis(2-chloroethoxy)methane	3330	2710	81	51-100	
Naphthalene	3330	2600	78	53-94	
4-Chloroaniline	3330	1620	49	10-96	
Hexachlorobutadiene	3330	2590	78	45-98	
Caprolactam	3330	2170	65	10-127	
4-Chloro-3-methylphenol	6670	5160	77	55-117	
2-Methylnaphthalene	3330	2750	83	51-98	
Hexachlorobenzene	3330	2810	84	43-104	
Hexachlorocyclopentadiene	3330	2430	73	24-98	
2,4,6-Trichlorophenol	6670	5100	77	53-118	
2,4,5-Trichlorophenol	6670	5190	78	50-115	
Diphenyl	3330	2850	85	50-105	
2-Chloronaphthalene	3330	2790	84	51-102	
2-Nitroaniline	3330	2560	77	51-109	
2,6-Dinitrotoluene	3330	2790	84	51-115	
Dimethyl phthalate	3330	2840	85	52-112	
Acenaphthylene	3330	2620	79	51-103	
3-Nitroaniline	3330	2040	61	32-104	
Acenaphthene	3330	2780	83	46-100	
4-Nitrophenol	6670	3240	49	45-114	
2,4-Dinitrophenol	6670	1900	29	10-129	
Dibenzofuran	3330	2720	82	52-106	
Diethyl phthalate	3330	2940	88	52-114	
Fluorene	3330	2750	82	51-108	
Fluoranthene	3330	2830	85	49-108	
Di-n-butyl phthalate	3330	2950	88	50-108	
2,4-Dinitrotoluene	3330	2890	87	53-110	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: z11899.d

Lab ID: LCS 460-123428/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	3330	2830	85	50-106	
4-Nitroaniline	3330	2680	80	45-106	
4,6-Dinitro-2-methylphenol	6670	3220	48	10-110	
4-Bromophenyl phenyl ether	3330	2920	88	44-102	
Atrazine	3330	3120	94	30-100	
Anthracene	3330	2740	82	50-107	
Carbazole	3330	2880	86	49-104	
Phenanthrene	3330	2810	84	48-108	
Pentachlorophenol	6670	5040	76	19-113	
Pyrene	3330	2350	70	49-116	
Chrysene	3330	2760	83	45-114	
Benzo[k]fluoranthene	3330	2630	79	35-115	
Benzo[g,h,i]perylene	3330	3520	105	43-106	
Benzo[b]fluoranthene	3330	2550	77	33-96	
Benzo[a]pyrene	3330	2860	86	36-89	
Benzo[a]anthracene	3330	2890	87	46-112	
N-Nitrosodiphenylamine	3330	2940	88	49-106	
Butyl benzyl phthalate	3330	2790	84	49-117	
Bis(2-ethylhexyl) phthalate	3330	2810	84	49-119	
Di-n-octyl phthalate	3330	2310	69	40-106	
Indeno[1,2,3-cd]pyrene	3330	3570	107	43-109	
Dibenz(a,h)anthracene	3330	3460	104	43-107	
3,3'-Dichlorobenzidine	3330	2990	90	24-105	
1,2,4,5-Tetrachlorobenzene	3330	2540	76	70-130	
2,3,4,6-Tetrachlorophenol	3330	2600	78	70-130	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: x29283.d  
Lab ID: 460-43236-N-9-A MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Phenol	100	0.81 U	28.9	29	12-44	
2-Chlorophenol	100	2.2 U	87.5	87	53-101	
2-Methylphenol	100	1.8 U	71.4	71	40-90	
4-Methylphenol	100	1.6 U	64.6	65	30-75	
Benzaldehyde	100	2.0 U	100	100	52-150	
Acetophenone	100	2.7 U	100	100	68-109	
Bis(2-chloroethyl)ether	100	0.28 U	94.2	94	62-108	
2,2'-oxybis[1-chloropropane]	100	2.0 U	95.0	95	68-107	
N-Nitrosodi-n-propylamine	100	0.25 U	94.7	95	70-109	
Nitrobenzene	100	0.30 U	112	112	66-106	F
Hexachloroethane	100	0.25 U	91.6	92	50-99	
Isophorone	100	2.7 U	108	108	68-108	
2-Nitrophenol	100	2.4 U	126	126	65-107	F
2,4-Dimethylphenol	100	3.4 U	105	105	55-100	F
2,4-Dichlorophenol	100	2.6 U	109	109	64-107	F
Bis(2-chloroethoxy)methane	100	2.6 U	111	111	69-108	F
Naphthalene	100	2.7 U	95.9	96	63-101	
4-Chloroaniline	100	2.0 U	73.6	74	58-105	
Hexachlorobutadiene	100	0.57 U	114	114	52-99	F
Caprolactam	100	2.5 U	25.7	26	10-30	
4-Chloro-3-methylphenol	100	2.5 U	106	106	57-106	
2-Methylnaphthalene	100	9.2 J	125	115	66-102	F
Hexachlorobenzene	100	0.29 U	107	107	65-107	
Hexachlorocyclopentadiene	100	1.7 U	78.0	78	40-105	
2,4,6-Trichlorophenol	100	2.4 U	109	109	67-111	
2,4,5-Trichlorophenol	100	2.6 U	98.2	98	67-114	
Diphenyl	100	2.8 U	102	102	66-112	
2-Chloronaphthalene	100	2.7 U	96.6	97	65-107	
2-Nitroaniline	100	4.9 U	80.2	80	73-116	
2,6-Dinitrotoluene	100	0.61 U	102	102	68-114	
Dimethyl phthalate	100	2.8 U	102	102	69-111	
Acenaphthylene	100	2.7 U	94.4	94	67-107	
3-Nitroaniline	100	5.0 U	68.3	68	59-108	
Acenaphthene	100	2.7 U	101	101	66-108	
4-Nitrophenol	100	6.7 U	47.9	48	10-44	F
2,4-Dinitrophenol	100	5.4 U	115	115	19-113	F
Dibenzofuran	100	2.8 U	99.7	100	68-105	
Diethyl phthalate	100	2.9 U	97.1	97	66-109	
Fluorene	100	2.8 U	98.2	98	68-105	
Fluoranthene	100	3.2 U	102	102	68-108	
Di-n-butyl phthalate	100	2.9 U	99.2	99	68-111	
2,4-Dinitrotoluene	100	0.47 U	102	102	65-113	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: x29283.d  
Lab ID: 460-43236-N-9-A MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	100	2.5 U	96.8	97	68-105	
4-Nitroaniline	100	5.8 U	63.6	64	49-119	
4,6-Dinitro-2-methylphenol	100	4.7 U	120	120	58-115	F
4-Bromophenyl phenyl ether	100	2.5 U	104	104	66-110	
Atrazine	100	3.0 U	66.7	67	56-116	
Anthracene	100	2.8 U	98.5	99	68-108	
Carbazole	100	3.2 U	98.2	98	67-110	
Phenanthrene	100	3.1 U	103	103	68-110	
Pentachlorophenol	100	5.3 U	115	115	55-116	
Pyrene	100	2.9 U	96.4	96	61-110	
Chrysene	100	3.1 U	102	102	68-112	
Benzo[k]fluoranthene	100	0.26 U	97.1	97	66-114	
Benzo[g,h,i]perylene	100	2.0 U	109	109	65-134	
Benzo[b]fluoranthene	100	0.26 U	96.7	97	65-111	
Benzo[a]pyrene	100	0.14 U	99.4	99	58-101	
Benzo[a]anthracene	100	0.27 U	99.0	99	65-106	
N-Nitrosodiphenylamine	100	2.9 U	104	104	71-121	
Butyl benzyl phthalate	100	2.5 U	97.2	97	66-115	
Bis(2-ethylhexyl) phthalate	100	2.0 U	99.8	100	66-114	
Di-n-octyl phthalate	100	1.5 U	96.2	96	51-115	
Indeno[1,2,3-cd]pyrene	100	0.15 U	99.1	99	68-121	
Dibenz(a,h)anthracene	100	0.090 U	109	109	67-124	
3,3'-Dichlorobenzidine	100	4.9 U	51.4	51	69-129	F
1,2,4,5-Tetrachlorobenzene	100	2.6 U	92.0	92	70-130	
2,3,4,6-Tetrachlorophenol	100	2.5 U	103	103	70-130	

# Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: z11900.d  
Lab ID: 460-43228-A-4-A MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Phenol	7390	49 U	5020	68	54-115	
2-Chlorophenol	7390	48 U	5460	74	56-110	
2-Methylphenol	7390	62 U	5680	77	54-117	
4-Methylphenol	7390	72 U	5720	77	47-103	
Benzaldehyde	3690	43 U	1370	37	10-160	
Acetophenone	3690	56 U	2800	76	40-95	
Bis(2-chloroethyl)ether	3690	5.0 U	3210	87	44-101	
2,2'-oxybis[1-chloropropane]	3690	41 U	2660	72	45-102	
N-Nitrosodi-n-propylamine	3690	6.1 U	2810	76	42-107	
Nitrobenzene	3690	5.2 U	3070	83	42-106	
Hexachloroethane	3690	4.1 U	2920	79	45-90	
Isophorone	3690	44 U	2950	80	48-97	
2-Nitrophenol	7390	41 U	6180	84	55-101	
2,4-Dimethylphenol	7390	90 U	5980	81	56-112	
2,4-Dichlorophenol	7390	54 U	5520	75	58-115	
Bis(2-chloroethoxy)methane	3690	47 U	3130	85	51-100	
Naphthalene	3690	49 J	3090	82	53-94	
4-Chloroaniline	3690	97 U	1550	42	10-96	
Hexachlorobutadiene	3690	8.9 U	3110	84	45-98	
Caprolactam	3690	84 U	1890	51	10-127	
4-Chloro-3-methylphenol	7390	55 U	5500	74	55-117	
2-Methylnaphthalene	3690	47 U	3270	89	51-98	
Hexachlorobenzene	3690	5.0 U	3370	91	43-104	
Hexachlorocyclopentadiene	3690	43 U	1070	29	24-98	
2,4,6-Trichlorophenol	7390	43 U	5620	76	53-118	
2,4,5-Trichlorophenol	7390	47 U	5720	77	50-115	
Diphenyl	3690	49 U	3380	92	50-105	
2-Chloronaphthalene	3690	41 U	3300	89	51-102	
2-Nitroaniline	3690	150 U	2780	75	51-109	
2,6-Dinitrotoluene	3690	11 U	3100	84	51-115	
Dimethyl phthalate	3690	43 U	3130	85	52-112	
Acenaphthylene	3690	43 U	3040	82	51-103	
3-Nitroaniline	3690	130 U	2220	60	32-104	
Acenaphthene	3690	53 U	3150	85	46-100	
4-Nitrophenol	7390	240 U	3340	45	45-114	
2,4-Dinitrophenol	7390	210 U	1050 J	14	10-129	
Dibenzofuran	3690	43 U	3100	84	52-106	
Diethyl phthalate	3690	44 U	3090	84	52-114	
Fluorene	3690	47 U	3030	82	51-108	
Fluoranthene	3690	49 U	3330	90	49-108	
Di-n-butyl phthalate	3690	45 U	3260	88	50-108	
2,4-Dinitrotoluene	3690	12 U	3070	83	53-110	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: z11900.d  
Lab ID: 460-43228-A-4-A MS Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4-Chlorophenyl phenyl ether	3690	43 U	3120	85	50-106	
4-Nitroaniline	3690	110 U	2450	66	45-106	
4,6-Dinitro-2-methylphenol	7390	100 U	2650	36	10-110	
4-Bromophenyl phenyl ether	3690	36 U	3480	94	44-102	
Atrazine	3690	57 U	3200	87	30-100	
Anthracene	3690	45 U	3180	86	50-107	
Carbazole	3690	43 U	3210	87	49-104	
Phenanthrene	3690	47 U	3210	87	48-108	
Pentachlorophenol	7390	110 U	5040	68	19-113	
Pyrene	3690	31 J	2600	70	49-116	
Chrysene	3690	43 U	3220	87	45-114	
Benzo[k]fluoranthene	3690	2.8 U	3090	84	35-115	
Benzo[g,h,i]perylene	3690	27 U	4570	124	43-106	F
Benzo[b]fluoranthene	3690	23 J	2800	75	33-96	
Benzo[a]pyrene	3690	19 J	3300	89	36-89	
Benzo[a]anthracene	3690	2.6 U	3210	87	46-112	
N-Nitrosodiphenylamine	3690	36 U	3370	91	49-106	
Butyl benzyl phthalate	3690	34 U	2930	79	49-117	
Bis(2-ethylhexyl) phthalate	3690	120 U	3050	83	49-119	
Di-n-octyl phthalate	3690	23 U	2360	64	40-106	
Indeno[1,2,3-cd]pyrene	3690	19 J	4250	115	43-109	F
Dibenz(a,h)anthracene	3690	4.6 U	4310	117	43-107	F
3,3'-Dichlorobenzidine	3690	130 U	3430	93	24-105	
1,2,4,5-Tetrachlorobenzene	3690	49 U	3160	86	70-130	
2,3,4,6-Tetrachlorophenol	3690	48 U	2470	67	70-130	F

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: x29284.d  
Lab ID: 460-43236-M-9-A MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	100	29.6	30	2	30	12-44	
2-Chlorophenol	100	87.7	88	0	30	53-101	
2-Methylphenol	100	72.5	73	2	30	40-90	
4-Methylphenol	100	66.2	66	2	30	30-75	
Benzaldehyde	100	101	101	1	30	52-150	
Acetophenone	100	101	101	1	30	68-109	
Bis(2-chloroethyl)ether	100	94.1	94	0	30	62-108	
2,2'-oxybis[1-chloropropane]	100	95.4	95	0	30	68-107	
N-Nitrosodi-n-propylamine	100	95.7	96	1	30	70-109	
Nitrobenzene	100	111	111	1	30	66-106	F
Hexachloroethane	100	93.7	94	2	30	50-99	
Isophorone	100	106	106	2	30	68-108	
2-Nitrophenol	100	124	124	1	30	65-107	F
2,4-Dimethylphenol	100	105	105	0	30	55-100	F
2,4-Dichlorophenol	100	107	107	1	30	64-107	
Bis(2-chloroethoxy)methane	100	110	110	0	30	69-108	F
Naphthalene	100	95.4	95	1	30	63-101	
4-Chloroaniline	100	78.3	78	6	30	58-105	
Hexachlorobutadiene	100	116	116	2	30	52-99	F
Caprolactam	100	22.2	22	15	30	10-30	
4-Chloro-3-methylphenol	100	106	106	0	30	57-106	
2-Methylnaphthalene	100	121	112	3	30	66-102	F
Hexachlorobenzene	100	106	106	0	30	65-107	
Hexachlorocyclopentadiene	100	77.2	77	1	30	40-105	
2,4,6-Trichlorophenol	100	104	104	5	30	67-111	
2,4,5-Trichlorophenol	100	101	101	3	30	67-114	
Diphenyl	100	101	101	1	30	66-112	
2-Chloronaphthalene	100	97.3	97	1	30	65-107	
2-Nitroaniline	100	80.3	80	0	30	73-116	
2,6-Dinitrotoluene	100	99.2	99	3	30	68-114	
Dimethyl phthalate	100	102	102	0	30	69-111	
Acenaphthylene	100	94.8	95	0	30	67-107	
3-Nitroaniline	100	69.3	69	2	30	59-108	
Acenaphthene	100	100	100	1	30	66-108	
4-Nitrophenol	100	47.7	48	0	30	10-44	F
2,4-Dinitrophenol	100	110	110	4	30	19-113	
Dibenzofuran	100	99.1	99	1	30	68-105	
Diethyl phthalate	100	95.1	95	2	30	66-109	
Fluorene	100	98.5	98	0	30	68-105	
Fluoranthene	100	97.7	98	5	30	68-108	
Di-n-butyl phthalate	100	95.7	96	4	30	68-111	
2,4-Dinitrotoluene	100	98.5	98	3	30	65-113	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: x29284.d  
Lab ID: 460-43236-M-9-A MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
4-Chlorophenyl phenyl ether	100	95.6	96	1	30	68-105	
4-Nitroaniline	100	65.0	65	2	30	49-119	
4,6-Dinitro-2-methylphenol	100	116	116	4	30	58-115	F
4-Bromophenyl phenyl ether	100	104	104	0	30	66-110	
Atrazine	100	64.0	64	4	30	56-116	
Anthracene	100	97.3	97	1	30	68-108	
Carbazole	100	94.6	95	4	30	67-110	
Phenanthrene	100	101	101	2	30	68-110	
Pentachlorophenol	100	112	112	3	30	55-116	
Pyrene	100	98.8	99	2	30	61-110	
Chrysene	100	101	101	1	30	68-112	
Benzo[k]fluoranthene	100	92.3	92	5	30	66-114	
Benzo[g,h,i]perylene	100	109	109	0	30	65-134	
Benzo[b]fluoranthene	100	95.4	95	1	30	65-111	
Benzo[a]pyrene	100	96.3	96	3	30	58-101	
Benzo[a]anthracene	100	96.0	96	3	30	65-106	
N-Nitrosodiphenylamine	100	106	106	2	30	71-121	
Butyl benzyl phthalate	100	96.9	97	0	30	66-115	
Bis(2-ethylhexyl) phthalate	100	99.8	100	0	30	66-114	
Di-n-octyl phthalate	100	94.2	94	2	30	51-115	
Indeno[1,2,3-cd]pyrene	100	100	100	1	30	68-121	
Dibenz(a,h)anthracene	100	111	111	2	30	67-124	
3,3'-Dichlorobenzidine	100	55.7	56	8	30	69-129	F
1,2,4,5-Tetrachlorobenzene	100	91.7	92	0	30	70-130	
2,3,4,6-Tetrachlorophenol	100	100	100	3	30	70-130	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: z11901.d  
Lab ID: 460-43228-A-4-B MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Phenol	7390	5200	70	4	30	54-115	
2-Chlorophenol	7390	5640	76	3	30	56-110	
2-Methylphenol	7390	5960	81	5	30	54-117	
4-Methylphenol	7390	5950	80	4	30	47-103	
Benzaldehyde	3700	1380	37	1	30	10-160	
Acetophenone	3700	2890	78	3	30	40-95	
Bis(2-chloroethyl)ether	3700	3290	89	3	30	44-101	
2,2'-oxybis[1-chloropropane]	3700	2750	74	3	30	45-102	
N-Nitrosodi-n-propylamine	3700	2890	78	3	30	42-107	
Nitrobenzene	3700	3100	84	1	30	42-106	
Hexachloroethane	3700	3020	82	4	30	45-90	
Isophorone	3700	3070	83	4	30	48-97	
2-Nitrophenol	7390	6420	87	4	30	55-101	
2,4-Dimethylphenol	7390	6250	85	4	30	56-112	
2,4-Dichlorophenol	7390	5840	79	6	30	58-115	
Bis(2-chloroethoxy)methane	3700	3260	88	4	30	51-100	
Naphthalene	3700	3160	84	2	30	53-94	
4-Chloroaniline	3700	1750	47	12	30	10-96	
Hexachlorobutadiene	3700	3150	85	1	30	45-98	
Caprolactam	3700	2560	69	30	30	10-127	
4-Chloro-3-methylphenol	7390	5830	79	6	30	55-117	
2-Methylnaphthalene	3700	3360	91	3	30	51-98	
Hexachlorobenzene	3700	3430	93	2	30	43-104	
Hexachlorocyclopentadiene	3700	1260	34	16	30	24-98	
2,4,6-Trichlorophenol	7390	5860	79	4	30	53-118	
2,4,5-Trichlorophenol	7390	5950	81	4	30	50-115	
Diphenyl	3700	3450	93	2	30	50-105	
2-Chloronaphthalene	3700	3400	92	3	30	51-102	
2-Nitroaniline	3700	2900	78	4	30	51-109	
2,6-Dinitrotoluene	3700	3260	88	5	30	51-115	
Dimethyl phthalate	3700	3230	87	3	30	52-112	
Acenaphthylene	3700	3070	83	1	30	51-103	
3-Nitroaniline	3700	2300	62	3	30	32-104	
Acenaphthene	3700	3300	89	4	30	46-100	
4-Nitrophenol	7390	3390	46	2	30	45-114	
2,4-Dinitrophenol	7390	1020 J	14	3	30	10-129	
Dibenzofuran	3700	3170	86	2	30	52-106	
Diethyl phthalate	3700	3300	89	6	30	52-114	
Fluorene	3700	3180	86	5	30	51-108	
Fluoranthene	3700	3320	90	0	30	49-108	
Di-n-butyl phthalate	3700	3420	92	5	30	50-108	
2,4-Dinitrotoluene	3700	3160	85	3	30	53-110	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: z11901.d  
Lab ID: 460-43228-A-4-B MSD Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
4-Chlorophenyl phenyl ether	3700	3240	88	4	30	50-106	
4-Nitroaniline	3700	2580	70	5	30	45-106	
4,6-Dinitro-2-methylphenol	7390	2610	35	1	30	10-110	
4-Bromophenyl phenyl ether	3700	3590	97	3	30	44-102	
Atrazine	3700	3360	91	5	30	30-100	
Anthracene	3700	3270	88	3	30	50-107	
Carbazole	3700	3360	91	5	30	49-104	
Phenanthrene	3700	3300	89	3	30	48-108	
Pentachlorophenol	7390	4750	64	6	30	19-113	
Pyrene	3700	2780	75	7	30	49-116	
Chrysene	3700	3320	90	3	30	45-114	
Benzo[k]fluoranthene	3700	3170	86	3	30	35-115	
Benzo[g,h,i]perylene	3700	4830	131	5	30	43-106	F
Benzo[b]fluoranthene	3700	2900	78	3	30	33-96	
Benzo[a]pyrene	3700	3440	92	4	30	36-89	F
Benzo[a]anthracene	3700	3350	91	4	30	46-112	
N-Nitrosodiphenylamine	3700	3550	96	5	30	49-106	
Butyl benzyl phthalate	3700	3170	86	8	30	49-117	
Bis(2-ethylhexyl) phthalate	3700	3240	88	6	30	49-119	
Di-n-octyl phthalate	3700	2470	67	5	30	40-106	
Indeno[1,2,3-cd]pyrene	3700	4520	122	6	30	43-109	F
Dibenz(a,h)anthracene	3700	4450	120	3	30	43-107	F
3,3'-Dichlorobenzidine	3700	3700	100	8	30	24-105	
1,2,4,5-Tetrachlorobenzene	3700	3200	86	1	30	70-130	
2,3,4,6-Tetrachlorophenol	3700	2510	68	2	30	70-130	F

# Column to be used to flag recovery and RPD values

FORM IV  
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: x29281.d Lab Sample ID: MB 460-123287/1-A  
Matrix: Water Date Extracted: 08/09/2012 13:03  
Instrument ID: BNAMS5 Date Analyzed: 08/14/2012 15:13  
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-123287/2-A	x29280.d	08/14/2012 14:51
	460-43236-N-9-A MS	x29283.d	08/14/2012 15:57
	460-43236-M-9-A MSD	x29284.d	08/14/2012 16:19
20120807EB	460-43235-5	x29285.d	08/14/2012 16:41

FORM IV  
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: z11879.d Lab Sample ID: MB 460-123428/1-A  
Matrix: Solid Date Extracted: 08/10/2012 09:24  
Instrument ID: BNAMS11 Date Analyzed: 08/15/2012 02:56  
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
20120807SB-437V0-2N	460-43235-1	z11883.d	08/15/2012 04:19
20120807SB-436V0-2N	460-43235-3	z11884.d	08/15/2012 04:40
	LCS 460-123428/2-A	z11899.d	08/15/2012 09:50
	460-43228-A-4-A MS	z11900.d	08/15/2012 10:11
	460-43228-A-4-B MSD	z11901.d	08/15/2012 10:32
20120807SB-435V0-2N	460-43235-4	z11932.d	08/15/2012 22:59
20120807SB-438V5-6N	460-43235-2	z11935.d	08/16/2012 00:01

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: z11523.d DFTPP Injection Date: 08/06/2012  
Instrument ID: BNAMS11 DFTPP Injection Time: 12:37  
Analysis Batch No.: 122963

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	50.8
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	49.2
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	58.9
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.9
275	10.0 - 30.0 % of mass 198	27.7
365	Greater than 1.0 % of mass 198	5.0
441	Present but less than mass 443	11.9 (76.3)1
442	Greater than 40.0 % of mass 198	81.8
443	17.0 - 23.0 % of mass 442	15.6 (19.0)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-122963/2	z11524.d	08/06/2012	12:54
	IC 460-122963/3	z11525.d	08/06/2012	13:26
	IC 460-122963/4	z11526.d	08/06/2012	13:47
	IC 460-122963/5	z11527.d	08/06/2012	14:07
	IC 460-122963/6	z11528.d	08/06/2012	15:20
	IC 460-122963/7	z11529.d	08/06/2012	15:40

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab File ID: z11875.d DFTPP Injection Date: 08/15/2012

Instrument ID: BNAMS11 DFTPP Injection Time: 00:37

Analysis Batch No.: 124158

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	38.2
68	Less than 2.0 % of mass 69	0.5 (1.2)1
69	Mass 69 relative abundance	39.4
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	54.3
197	Less than 1.0 % of mass 198	0.7
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.0
275	10.0 - 30.0 % of mass 198	27.1
365	Greater than 1.0 % of mass 198	4.6
441	Present but less than mass 443	12.0 (72.0)1
442	Greater than 40.0 % of mass 198	87.3
443	17.0 - 23.0 % of mass 442	16.7 (19.2)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-124158/2	z11877.d	08/15/2012	01:46
	MB 460-123428/1-A	z11879.d	08/15/2012	02:56
20120807SB-437V0-2N	460-43235-1	z11883.d	08/15/2012	04:19
20120807SB-436V0-2N	460-43235-3	z11884.d	08/15/2012	04:40
	LCS 460-123428/2-A	z11899.d	08/15/2012	09:50
	460-43228-A-4-A MS	z11900.d	08/15/2012	10:11
	460-43228-A-4-B MSD	z11901.d	08/15/2012	10:32

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab File ID: z11906.d DFTPP Injection Date: 08/15/2012

Instrument ID: BNAMS11 DFTPP Injection Time: 13:50

Analysis Batch No.: 124326

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	37.4
68	Less than 2.0 % of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	38.6
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	53.0
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	7.0
275	10.0 - 30.0 % of mass 198	26.9
365	Greater than 1.0 % of mass 198	4.4
441	Present but less than mass 443	11.9 (69.6)1
442	Greater than 40.0 % of mass 198	87.8
443	17.0 - 23.0 % of mass 442	17.0 (19.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-124326/2	z11907.d	08/15/2012	14:07
20120807SB-435V0-2N	460-43235-4	z11932.d	08/15/2012	22:59
20120807SB-438V5-6N	460-43235-2	z11935.d	08/16/2012	00:01

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:  

Lab File ID: x29150.d DFTPP Injection Date: 08/11/2012

Instrument ID: BNAMS5 DFTPP Injection Time: 11:49

Analysis Batch No.: 123774

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	54.1
68	Less than 2.0 % of mass 69	1.0 (1.9)1
69	Mass 69 relative abundance	52.5
70	Less than 2.0 % of mass 69	0.4 (0.7)1
127	40.0 - 60.0 % of mass 198	52.9
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	24.8
365	Greater than 1.0 % of mass 198	2.8
441	Present but less than mass 443	10.5 (72.5)1
442	Greater than 40.0 % of mass 198	75.0
443	17.0 - 23.0 % of mass 442	14.5 (19.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-123774/2	x29151.d	08/11/2012	12:32
	IC 460-123774/3	x29152.d	08/11/2012	12:54
	IC 460-123774/4	x29153.d	08/11/2012	13:16
	IC 460-123774/5	x29154.d	08/11/2012	13:38
	IC 460-123774/6	x29155.d	08/11/2012	14:00
	IC 460-123774/7	x29156.d	08/11/2012	14:22

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab File ID: x29278.d DFTPP Injection Date: 08/14/2012  
Instrument ID: BNAMS5 DFTPP Injection Time: 14:05  
Analysis Batch No.: 124292

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	41.7
68	Less than 2.0 % of mass 69	0.5 (1.2)1
69	Mass 69 relative abundance	43.4
70	Less than 2.0 % of mass 69	0.3 (0.8)1
127	40.0 - 60.0 % of mass 198	48.7
197	Less than 1.0 % of mass 198	0.0
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.8
275	10.0 - 30.0 % of mass 198	28.4
365	Greater than 1.0 % of mass 198	3.7
441	Present but less than mass 443	15.6 (76.3)1
442	Greater than 40.0 % of mass 198	104.9
443	17.0 - 23.0 % of mass 442	20.4 (19.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-124292/2	x29279.d	08/14/2012	14:25
	LCS 460-123287/2-A	x29280.d	08/14/2012	14:51
	MB 460-123287/1-A	x29281.d	08/14/2012	15:13
	460-43236-N-9-A MS	x29283.d	08/14/2012	15:57
	460-43236-M-9-A MSD	x29284.d	08/14/2012	16:19
20120807EB	460-43235-5	x29285.d	08/14/2012	16:41

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124158/2 Date Analyzed: 08/15/2012 01:46  
Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)  
Lab File ID (Standard): z11877.d Heated Purge: (Y/N) N  
Calibration ID: 16771

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	216113	2.13	793182	3.44	335279	5.22
UPPER LIMIT	432226	2.63	1586364	3.94	670558	5.72
LOWER LIMIT	108057	1.63	396591	2.94	167640	4.72
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-123428/1-A		269553	2.13	1083783	3.43	540229
460-43235-1	20120807SB-437V0-2N	264051	2.13	1023202	3.43	481341
460-43235-3	20120807SB-436V0-2N	265825	2.13	1061746	3.43	519640
LCS 460-123428/2-A		281906	2.13	1054561	3.44	475274
460-43228-A-4-A MS		272563	2.13	995989	3.44	418971
460-43228-A-4-B MSD		275653	2.13	1007077	3.44	429560

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124158/2 Date Analyzed: 08/15/2012 01:46  
Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)  
Lab File ID (Standard): z11877.d Heated Purge: (Y/N) N  
Calibration ID: 16771

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	385406	6.62	175735	9.11	134097	10.37
UPPER LIMIT	770812	7.12	351470	9.61	268194	10.87
LOWER LIMIT	192703	6.12	87868	8.61	67049	9.87
LAB SAMPLE ID	CLIENT SAMPLE ID					
MB 460-123428/1-A		677599	6.62	323647	9.11	246487
460-43235-1	20120807SB-437V0-2N	594038	6.61	281674	9.11	225298
460-43235-3	20120807SB-436V0-2N	672780	6.62	328042	9.11	247454
LCS 460-123428/2-A		583561	6.62	302495	9.11	258155
460-43228-A-4-A MS		472473	6.62	262932	9.11	245360
460-43228-A-4-B MSD		486493	6.62	253423	9.11	237589

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit =  $\pm$  0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124326/2 Date Analyzed: 08/15/2012 14:07  
Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)  
Lab File ID (Standard): z11907.d Heated Purge: (Y/N) N  
Calibration ID: 16771

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	225487	2.10	886949	3.42	386349	5.19
UPPER LIMIT	450974	2.60	1773898	3.92	772698	5.69
LOWER LIMIT	112744	1.60	443475	2.92	193175	4.69
LAB SAMPLE ID	CLIENT SAMPLE ID					
460-43235-4	20120807SB-435V0-2N	287763	2.10	1058011	3.40	433658
460-43235-2	20120807SB-438V5-6N	216728	2.12	764132	3.41	295257

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124326/2 Date Analyzed: 08/15/2012 14:07  
Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm)  
Lab File ID (Standard): z11907.d Heated Purge: (Y/N) N  
Calibration ID: 16771

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	462430	6.60	201384	9.09	137495	10.34	
UPPER LIMIT	924860	7.10	402768	9.59	274990	10.84	
LOWER LIMIT	231215	6.10	100692	8.59	68748	9.84	
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-43235-4	20120807SB-435V0-2N	469086	6.60	236058	9.09	269748	10.35
460-43235-2	20120807SB-438V5-6N	313741	6.60	202215	9.10	247347	10.36

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124292/2 Date Analyzed: 08/14/2012 14:25  
Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm)  
Lab File ID (Standard): x29279.d Heated Purge: (Y/N) N  
Calibration ID: 16865

	DCB		NPT		ANT	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	576146	3.50	1956625	4.80	912531	6.54
UPPER LIMIT	1152292	4.00	3913250	5.30	1825062	7.04
LOWER LIMIT	288073	3.00	978313	4.30	456266	6.04
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-123287/2-A		667914	3.50	2333318	4.80	1137158
MB 460-123287/1-A		624990	3.49	2189599	4.79	1102527
460-43236-N-9-A MS		637070	3.51	1757355	4.81	1029591
460-43236-M-9-A MSD		599569	3.50	1691513	4.81	987362
460-43235-5	20120807EB	677694	3.50	2403496	4.79	1244299

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit =  $\pm$  0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVIS 460-124292/2 Date Analyzed: 08/14/2012 14:25  
Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm)  
Lab File ID (Standard): x29279.d Heated Purge: (Y/N) N  
Calibration ID: 16865

	PHN		CRY		PRY	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1090836	7.98	565013	10.57	458183	12.23
UPPER LIMIT	2181672	8.48	1130026	11.07	916366	12.73
LOWER LIMIT	545418	7.48	282507	10.07	229092	11.73
LAB SAMPLE ID	CLIENT SAMPLE ID					
LCS 460-123287/2-A		1381496	7.99	736920	10.58	580209
MB 460-123287/1-A		1450290	7.98	729165	10.57	518010
460-43236-N-9-A MS		1309808	7.99	791991	10.58	673937
460-43236-M-9-A MSD		1230742	7.99	684948	10.58	586171
460-43235-5	20120807EB	1690125	7.98	865741	10.57	597276

PHN = Phenanthrene-d10

CRY = Chrysene-d12

PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area

RT Limit =  $\pm$  0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Matrix: Solid

Lab File ID: z11883.d

Analysis Method: 8270C

Date Collected: 08/07/2012 08:50

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.01(g)

Date Analyzed: 08/15/2012 04:19

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 4.2

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	46	U	340	46
95-57-8	2-Chlorophenol	45	U	340	45
95-48-7	2-Methylphenol	59	U	340	59
106-44-5	4-Methylphenol	68	U	340	68
100-52-7	Benzaldehyde	41	U	340	41
98-86-2	Acetophenone	53	U	340	53
111-44-4	Bis(2-chloroethyl)ether	4.7	U	34	4.7
108-60-1	2,2'-oxybis[1-chloropropane]	38	U	340	38
621-64-7	N-Nitrosodi-n-propylamine	5.8	U	34	5.8
98-95-3	Nitrobenzene	4.9	U	34	4.9
67-72-1	Hexachloroethane	3.8	U	34	3.8
78-59-1	Isophorone	42	U	340	42
88-75-5	2-Nitrophenol	38	U	340	38
105-67-9	2,4-Dimethylphenol	85	U	340	85
120-83-2	2,4-Dichlorophenol	50	U	340	50
111-91-1	Bis(2-chloroethoxy)methane	45	U	340	45
91-20-3	Naphthalene	40	U	340	40
106-47-8	4-Chloroaniline	91	U	340	91
87-68-3	Hexachlorobutadiene	8.4	U	70	8.4
105-60-2	Caprolactam	79	U	340	79
59-50-7	4-Chloro-3-methylphenol	52	U	340	52
91-57-6	2-Methylnaphthalene	44	U	340	44
118-74-1	Hexachlorobenzene	4.7	U	34	4.7
77-47-4	Hexachlorocyclopentadiene	41	U	340	41
88-06-2	2,4,6-Trichlorophenol	40	U	340	40
95-95-4	2,4,5-Trichlorophenol	45	U	340	45
92-52-4	Diphenyl	46	U	340	46
91-58-7	2-Chloronaphthalene	38	U	340	38
88-74-4	2-Nitroaniline	140	U	700	140
606-20-2	2,6-Dinitrotoluene	10	U	70	10
131-11-3	Dimethyl phthalate	41	U	340	41
208-96-8	Acenaphthylene	41	U	340	41
99-09-2	3-Nitroaniline	120	U	700	120
83-32-9	Acenaphthene	50	U	340	50

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Matrix: Solid

Lab File ID: z11883.d

Analysis Method: 8270C

Date Collected: 08/07/2012 08:50

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.01(g)

Date Analyzed: 08/15/2012 04:19

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 4.2

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	220	U	1000	220
51-28-5	2,4-Dinitrophenol	200	U	1000	200
132-64-9	Dibenzofuran	40	U	340	40
84-66-2	Diethyl phthalate	41	U	340	41
86-73-7	Fluorene	44	U	340	44
206-44-0	Fluoranthene	46	U	340	46
84-74-2	Di-n-butyl phthalate	43	U	340	43
121-14-2	2,4-Dinitrotoluene	11	U	70	11
7005-72-3	4-Chlorophenyl phenyl ether	40	U	340	40
100-01-6	4-Nitroaniline	110	U	700	110
534-52-1	4,6-Dinitro-2-methylphenol	94	U	1000	94
101-55-3	4-Bromophenyl phenyl ether	34	U	340	34
1912-24-9	Atrazine	53	U	340	53
120-12-7	Anthracene	42	U	340	42
86-74-8	Carbazole	41	U	340	41
85-01-8	Phenanthrene	44	U	340	44
87-86-5	Pentachlorophenol	100	U	1000	100
129-00-0	Pyrene	29	U	340	29
218-01-9	Chrysene	40	U	340	40
207-08-9	Benzo[k]fluoranthene	2.6	U	34	2.6
191-24-2	Benzo[g,h,i]perylene	26	U	340	26
205-99-2	Benzo[b]fluoranthene	19	J	34	2.2
50-32-8	Benzo[a]pyrene	7.2	J	34	2.4
56-55-3	Benzo[a]anthracene	2.4	U	34	2.4
86-30-6	N-Nitrosodiphenylamine	34	U	340	34
85-68-7	Butyl benzyl phthalate	32	U	340	32
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	340	110
117-84-0	Di-n-octyl phthalate	22	U	340	22
193-39-5	Indeno[1,2,3-cd]pyrene	6.4	U	34	6.4
53-70-3	Dibenz(a,h)anthracene	4.3	U	34	4.3
91-94-1	3,3'-Dichlorobenzidine	120	U	700	120
95-94-3	1,2,4,5-Tetrachlorobenzene	46	U	340	46
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	340	45

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807SB-437V0-2N Lab Sample ID: 460-43235-1  
Matrix: Solid Lab File ID: z11883.d  
Analysis Method: 8270C Date Collected: 08/07/2012 08:50  
Extract. Method: 3541 Date Extracted: 08/10/2012 09:24  
Sample wt/vol: 15.01(g) Date Analyzed: 08/15/2012 04:19  
Con. Extract Vol.: 1(mL) Dilution Factor: 1  
Injection Volume: 1(uL) Level: (low/med) Low  
% Moisture: 4.2 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		38-105
4165-62-2	Phenol-d5	75		41-118
1718-51-0	Terphenyl-d14	77		16-151
118-79-6	2,4,6-Tribromophenol	51		10-120
367-12-4	2-Fluorophenol	76		37-125
321-60-8	2-Fluorobiphenyl	84		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11883.d  
Report Date: 15-Aug-2012 10:31

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11883.d  
Lab Smp Id: 460-43235-E-1-B Client Smp ID: 20120807SB-437V0-2N  
Inj Date : 15-AUG-2012 04:19  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : 460-43235-E-1-B  
Misc Info : 460-43235-E-1-B  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 9  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.01000	Weight of sample extracted (g)
M	4.18327	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
\$ 16 2-Fluorophenol (SUR)	112	1.174	1.121 (0.552)	638437	76.1916	5300		
\$ 17 Phenol-d5 (SUR)	99	1.921	1.927 (0.903)	777814	74.8779	5200		
* 79 1,4-Dichlorobenzene-d4	152	2.127	2.127 (1.000)	264051	40.0000			
\$ 76 Nitrobenzene-d5 (SUR)	82	2.692	2.703 (0.784)	357584	39.3833	2700		
* 80 Naphthalene-d8	136	3.433	3.445 (1.000)	1023202	40.0000			
31 Naphthalene	128	3.456	3.468 (1.007)	9720	0.35946	25(a)		
34 2-Methylnaphthalene	142	4.203	4.203 (1.224)	2848	0.14159	9.8(a)		
120 1-Methylnaphthalene	142	4.292	4.297 (1.250)	2129	0.12256	8.5(a)		
\$ 77 2-Fluorobiphenyl (SUR)	172	4.609	4.615 (0.884)	724523	42.0161	2900		
* 82 Acenaphthene-d10	164	5.215	5.221 (1.000)	481341	40.0000			
47 Fluorene	166	5.744	5.750 (1.101)	1514	0.10520	7.3(a)		
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.986	5.992 (1.148)	106140	51.0507	3500		
115 n-Octadecane	57	6.697	6.703 (1.012)	1921	0.25635	18(a)		

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11883.d  
Report Date: 15-Aug-2012 10:31

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
=====	====	====	==	=====	=====	=====	=====	=====
* 83 Phenanthrene-d10		188	6.615	6.621 (1.000)		594038	40.0000	
52 Phenanthrene		178	6.638	6.644 (1.004)		9611	0.58571	41(a)
56 Fluoranthene		202	7.756	7.756 (1.173)		4378	0.32496	22(a)
57 Pyrene		202	7.956	7.956 (0.873)		4609	0.32980	23(a)
\$ 78 Terphenyl-d14		244	8.180	8.185 (0.898)		374816	38.4302	2700
* 81 Chrysene-d12		240	9.109	9.115 (1.000)		281674	40.0000	
65 Benzo(b)fluoranthene		252	10.062	10.062 (0.970)		1912	0.26825	19(a)
67 Benzo(a)pyrene		252	10.326	10.327 (0.996)		586	0.10418	7.2(a)
* 84 Perylene-d12		264	10.368	10.374 (1.000)		225298	40.0000	

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: z11883.d

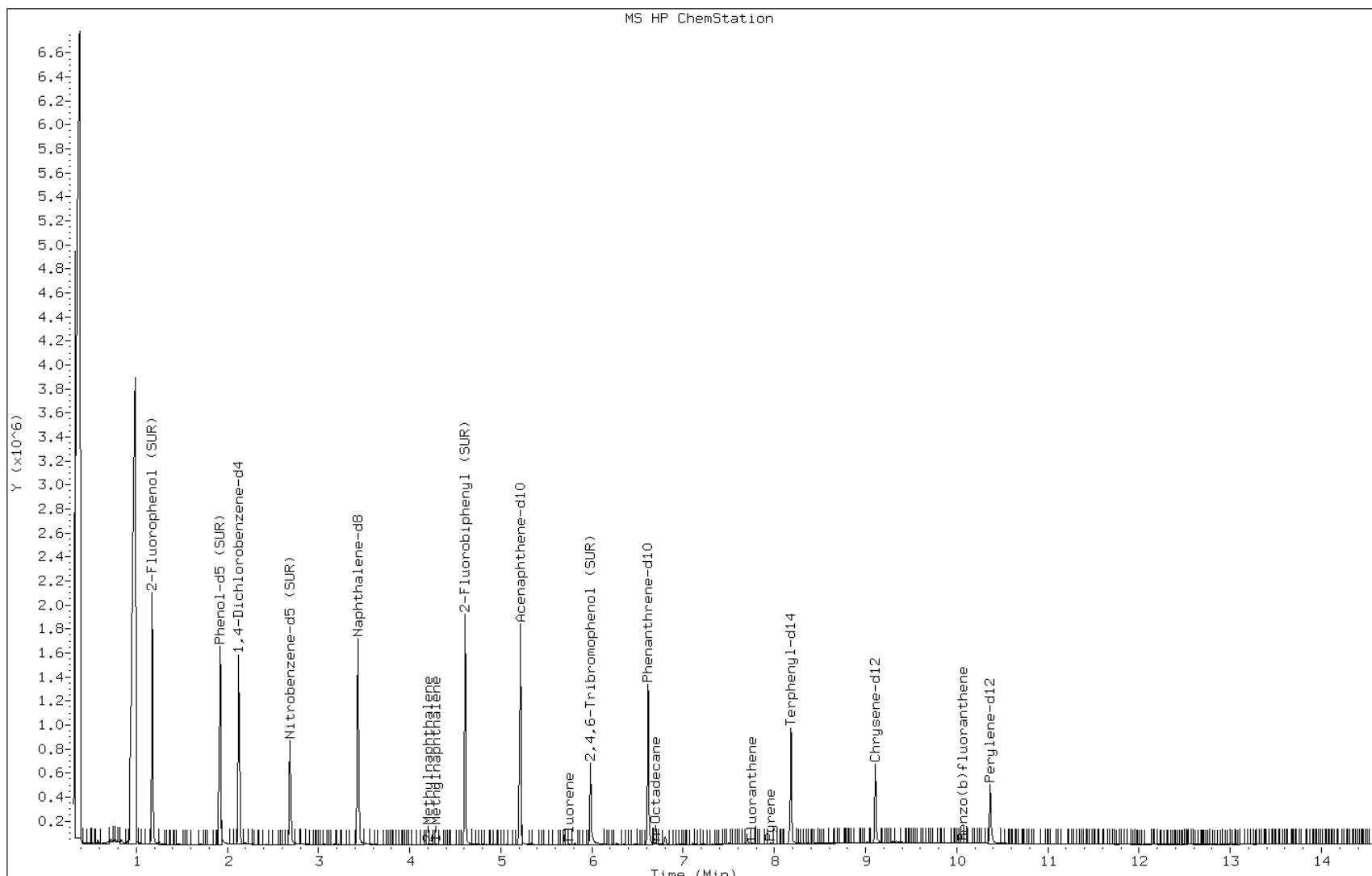
Date: 15-AUG-2012 04:19

Client ID: 20120807SB-437V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-1-B

Operator: BNAMS 4



Data File: z11883.d

Date: 15-AUG-2012 04:19

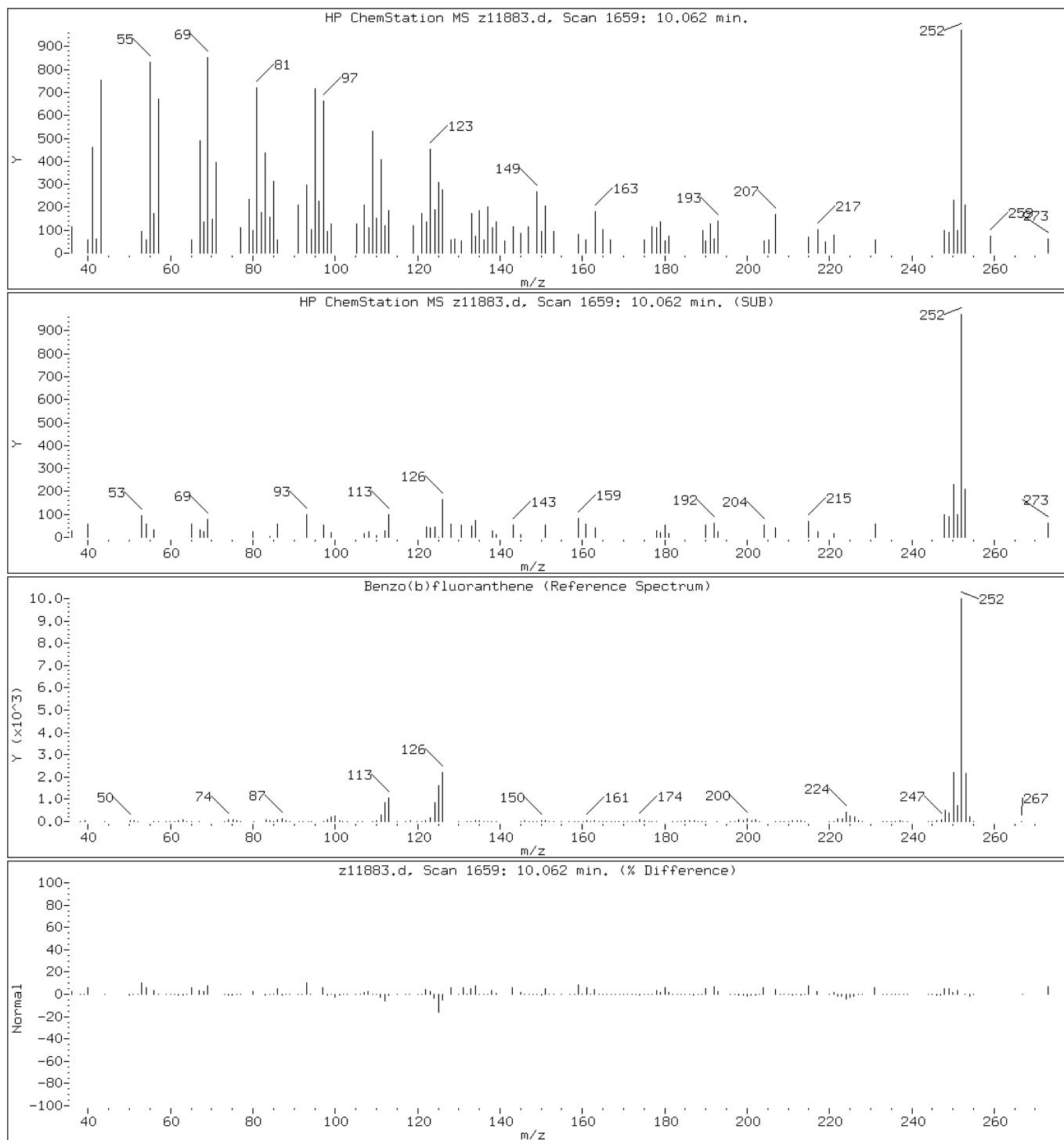
Client ID: 20120807SB-437V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-1-B

Operator: BNAMS 4

65 Benzo(b)fluoranthene



Data File: z11883.d

Date: 15-AUG-2012 04:19

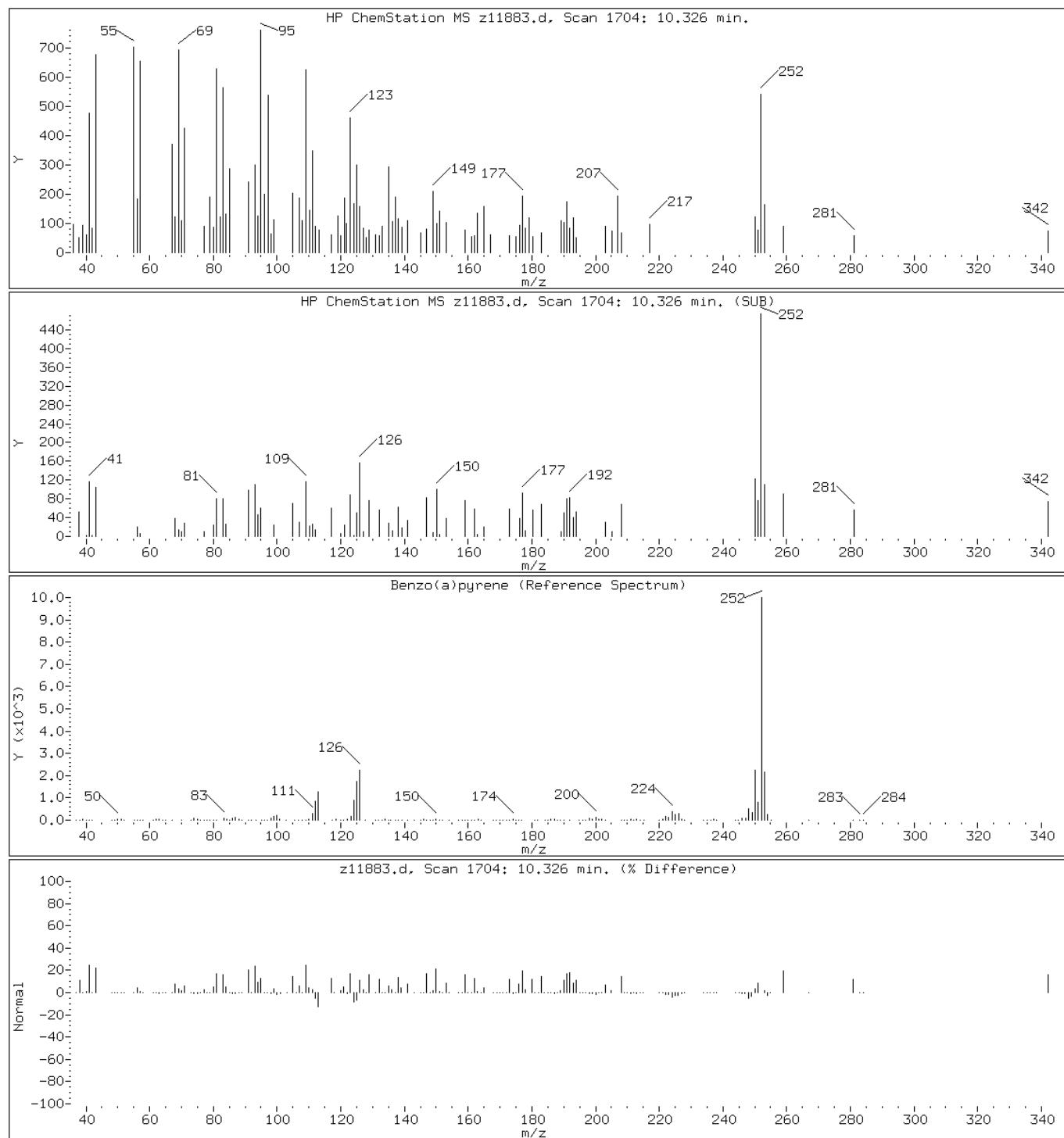
Client ID: 20120807SB-437V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-1-B

Operator: BNAMS 4

67 Benzo(a)pyrene



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Matrix: Solid

Lab File ID: z11935.d

Analysis Method: 8270C

Date Collected: 08/07/2012 09:25

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.02(g)

Date Analyzed: 08/16/2012 00:01

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 16.6

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124326

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	53	U	400	53
95-57-8	2-Chlorophenol	52	U	400	52
95-48-7	2-Methylphenol	68	U	400	68
106-44-5	4-Methylphenol	78	U	400	78
100-52-7	Benzaldehyde	47	U	400	47
98-86-2	Acetophenone	61	U	400	61
111-44-4	Bis(2-chloroethyl)ether	5.4	U	40	5.4
108-60-1	2,2'-oxybis[1-chloropropane]	44	U	400	44
621-64-7	N-Nitrosodi-n-propylamine	6.6	U	40	6.6
98-95-3	Nitrobenzene	5.6	U	40	5.6
67-72-1	Hexachloroethane	4.4	U	40	4.4
78-59-1	Isophorone	48	U	400	48
88-75-5	2-Nitrophenol	44	U	400	44
105-67-9	2,4-Dimethylphenol	98	U	400	98
120-83-2	2,4-Dichlorophenol	58	U	400	58
111-91-1	Bis(2-chloroethoxy)methane	51	U	400	51
91-20-3	Naphthalene	46	U	400	46
106-47-8	4-Chloroaniline	100	U	400	100
87-68-3	Hexachlorobutadiene	9.7	U	80	9.7
105-60-2	Caprolactam	91	U	400	91
59-50-7	4-Chloro-3-methylphenol	60	U	400	60
91-57-6	2-Methylnaphthalene	51	U	400	51
118-74-1	Hexachlorobenzene	5.4	U	40	5.4
77-47-4	Hexachlorocyclopentadiene	47	U	400	47
88-06-2	2,4,6-Trichlorophenol	46	U	400	46
95-95-4	2,4,5-Trichlorophenol	51	U	400	51
92-52-4	Diphenyl	53	U	400	53
91-58-7	2-Chloronaphthalene	44	U	400	44
88-74-4	2-Nitroaniline	170	U	800	170
606-20-2	2,6-Dinitrotoluene	12	U	80	12
131-11-3	Dimethyl phthalate	47	U	400	47
208-96-8	Acenaphthylene	47	U	400	47
99-09-2	3-Nitroaniline	140	U	800	140
83-32-9	Acenaphthene	58	U	400	58

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Matrix: Solid

Lab File ID: z11935.d

Analysis Method: 8270C

Date Collected: 08/07/2012 09:25

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.02(g)

Date Analyzed: 08/16/2012 00:01

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 16.6

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124326

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	260	U	1200	260
51-28-5	2,4-Dinitrophenol	230	U	1200	230
132-64-9	Dibenzofuran	46	U	400	46
84-66-2	Diethyl phthalate	47	U	400	47
86-73-7	Fluorene	51	U	400	51
206-44-0	Fluoranthene	53	U	400	53
84-74-2	Di-n-butyl phthalate	49	U	400	49
121-14-2	2,4-Dinitrotoluene	13	U	80	13
7005-72-3	4-Chlorophenyl phenyl ether	46	U	400	46
100-01-6	4-Nitroaniline	120	U	800	120
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
101-55-3	4-Bromophenyl phenyl ether	39	U	400	39
1912-24-9	Atrazine	61	U	400	61
120-12-7	Anthracene	48	U	400	48
86-74-8	Carbazole	47	U	400	47
85-01-8	Phenanthrene	130	J	400	50
87-86-5	Pentachlorophenol	120	U	1200	120
129-00-0	Pyrene	1300		400	33
218-01-9	Chrysene	46	U	400	46
207-08-9	Benzo[k]fluoranthene	3.0	U	40	3.0
191-24-2	Benzo[g,h,i]perylene	180	J	400	29
205-99-2	Benzo[b]fluoranthene	190		40	2.5
50-32-8	Benzo[a]pyrene	200		40	2.8
56-55-3	Benzo[a]anthracene	2.8	U	40	2.8
86-30-6	N-Nitrosodiphenylamine	39	U	400	39
85-68-7	Butyl benzyl phthalate	36	U	400	36
117-81-7	Bis(2-ethylhexyl) phthalate	130	U	400	130
117-84-0	Di-n-octyl phthalate	25	U	400	25
193-39-5	Indeno[1,2,3-cd]pyrene	200		40	7.4
53-70-3	Dibenz(a,h)anthracene	31	J	40	5.0
91-94-1	3,3'-Dichlorobenzidine	140	U	800	140
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	400	53
58-90-2	2,3,4,6-Tetrachlorophenol	51	U	400	51

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-438V5-6N</u>	Lab Sample ID: <u>460-43235-2</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z11935.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/07/2012 09:25</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>08/10/2012 09:24</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>08/16/2012 00:01</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>16.6</u>	GPC Cleanup:(Y/N) <u>N</u>
Analysis Batch No.: <u>124326</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	76		38-105
4165-62-2	Phenol-d5	76		41-118
1718-51-0	Terphenyl-d14	64		16-151
118-79-6	2,4,6-Tribromophenol	71		10-120
367-12-4	2-Fluorophenol	71		37-125
321-60-8	2-Fluorobiphenyl	95		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11935.d  
Report Date: 17-Aug-2012 09:37

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11935.d  
Lab Smp Id: 460-43235-E-2-B Client Smp ID: 20120807SB-438V5-6N  
Inj Date : 16-AUG-2012 00:01  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : 460-43235-E-2-B  
Misc Info : 460-43235-E-2-B  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/8270C\_11.m  
Meth Date : 15-Aug-2012 14:36 czhao Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 30  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-soil.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	16.60305	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 16 2-Fluorophenol (SUR)	112	1.233	1.098 (0.583)		489404	71.1589	5700
\$ 17 Phenol-d5 (SUR)	99	1.921	1.898 (0.908)		651187	76.3759	6100
* 79 1,4-Dichlorobenzene-d4	152	2.115	2.098 (1.000)		216728	40.0000	
22 1,4-Dichlorobenzene	146	2.133	2.115 (1.008)		3637	0.41708	33(aH)
\$ 76 Nitrobenzene-d5 (SUR)	82	2.668	2.680 (0.783)		258463	38.1175	3000
* 80 Naphthalene-d8	136	3.409	3.415 (1.000)		764132	40.0000	
31 Naphthalene	128	3.427	3.439 (1.005)		5984	0.29632	24(a)
34 2-Methylnaphthalene	142	4.174	4.180 (1.224)		3252	0.21649	17(a)
120 1-Methylnaphthalene	142	4.268	4.268 (1.252)		1979	0.15255	12(a)
\$ 77 2-Fluorobiphenyl (SUR)	172	4.585	4.591 (0.883)		500599	47.3267	3800
* 82 Acenaphthene-d10	164	5.191	5.191 (1.000)		295257	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.968	5.968 (1.150)		90031	70.5940	5600
* 83 Phenanthrene-d10	188	6.603	6.597 (1.000)		313741	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11935.d  
Report Date: 17-Aug-2012 09:37

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	FINAL (ug/Kg)
52 Phenanthrene	====	178	6.621	6.621 (1.003)		13599	1.56915	120(a)
57 Pyrene		202	7.938	7.927 (0.873)		162782	16.2252	1300
\$ 78 Terphenyl-d14		244	8.168	8.156 (0.898)		225467	32.2011	2600
* 81 Chrysene-d12		240	9.097	9.085 (1.000)		202215	40.0000	
65 Benzo(b)fluoranthene		252	10.044	10.026 (0.969)		18920	2.41782	190(M)
67 Benzo(a)pyrene		252	10.309	10.291 (0.995)		15206	2.46233	200
* 84 Perylene-d12		264	10.362	10.338 (1.000)		247347	40.0000	
68 Indeno(1,2,3-cd)pyrene		276	11.356	11.326 (1.096)		9854	2.47020	200
69 Dibenz(a,h)anthracene		278	11.379	11.356 (1.098)		1812	0.38596	31(a)
70 Benzo(g,h,i)perylene		276	11.603	11.568 (1.120)		11289	2.20660	180(a)

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11935.d

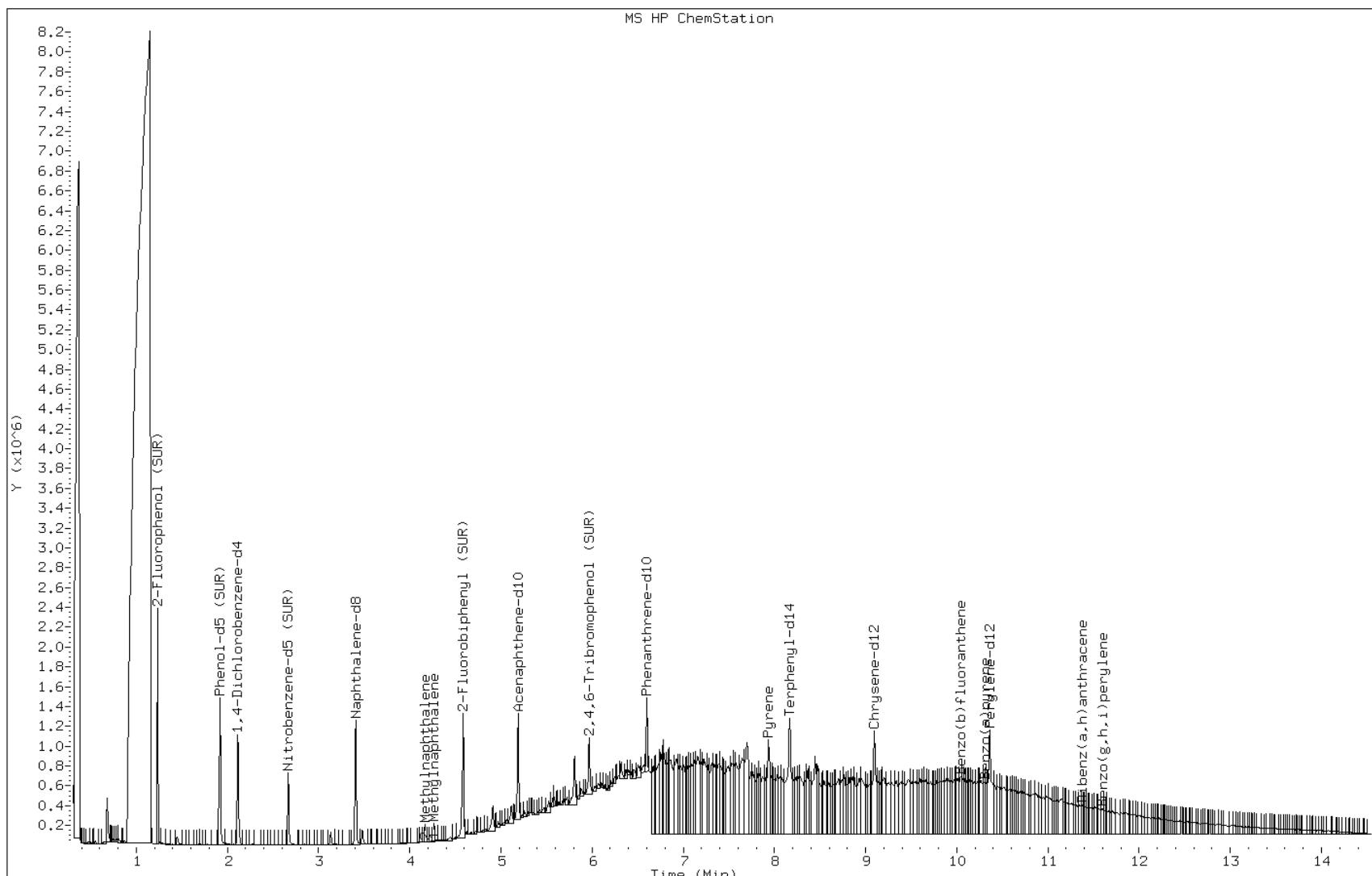
Date: 16-AUG-2012 00:01

Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4



Data File: z11935.d

Date: 16-AUG-2012 00:01

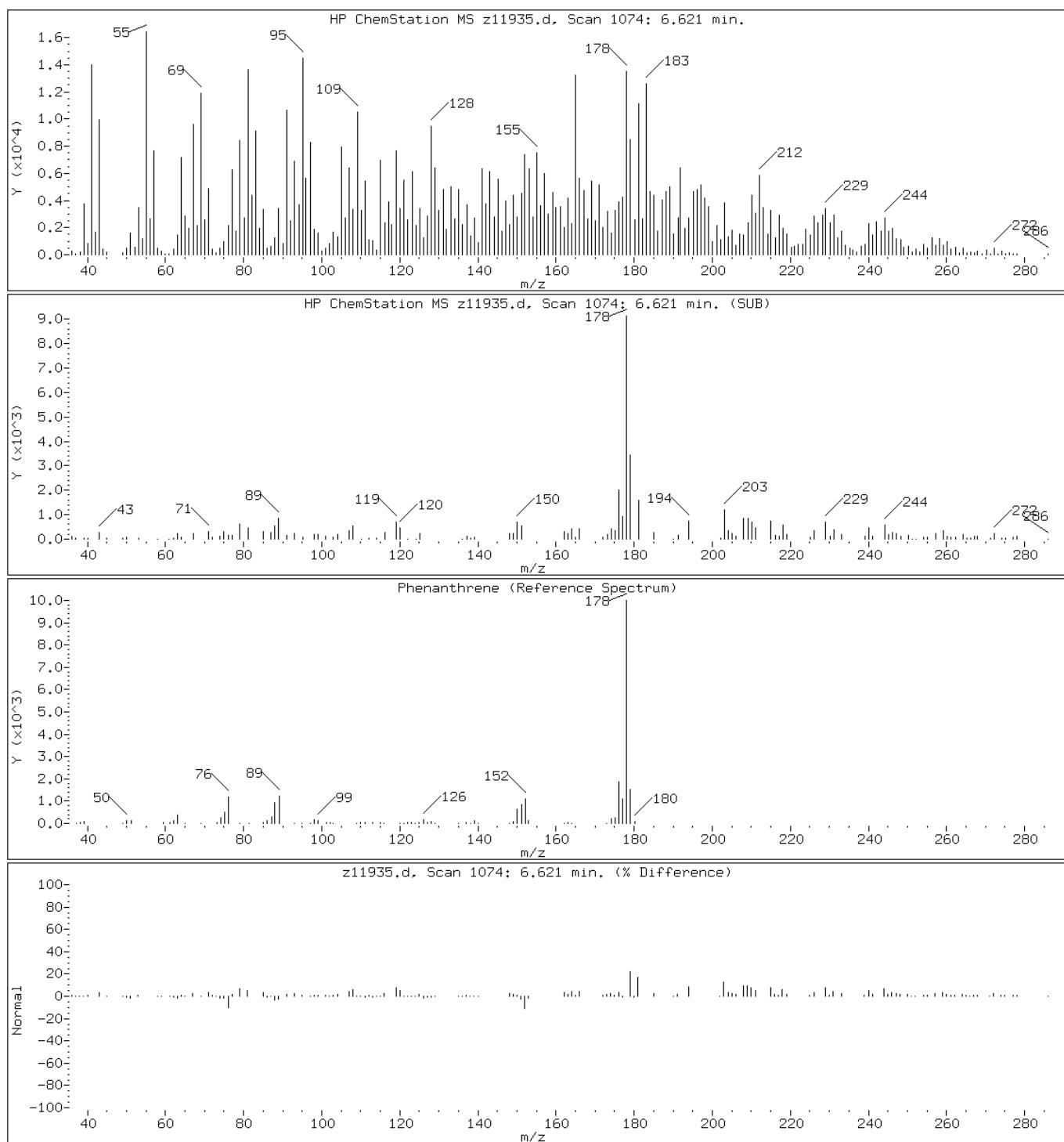
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

## 52 Phenanthrene



Data File: z11935.d

Date: 16-AUG-2012 00:01

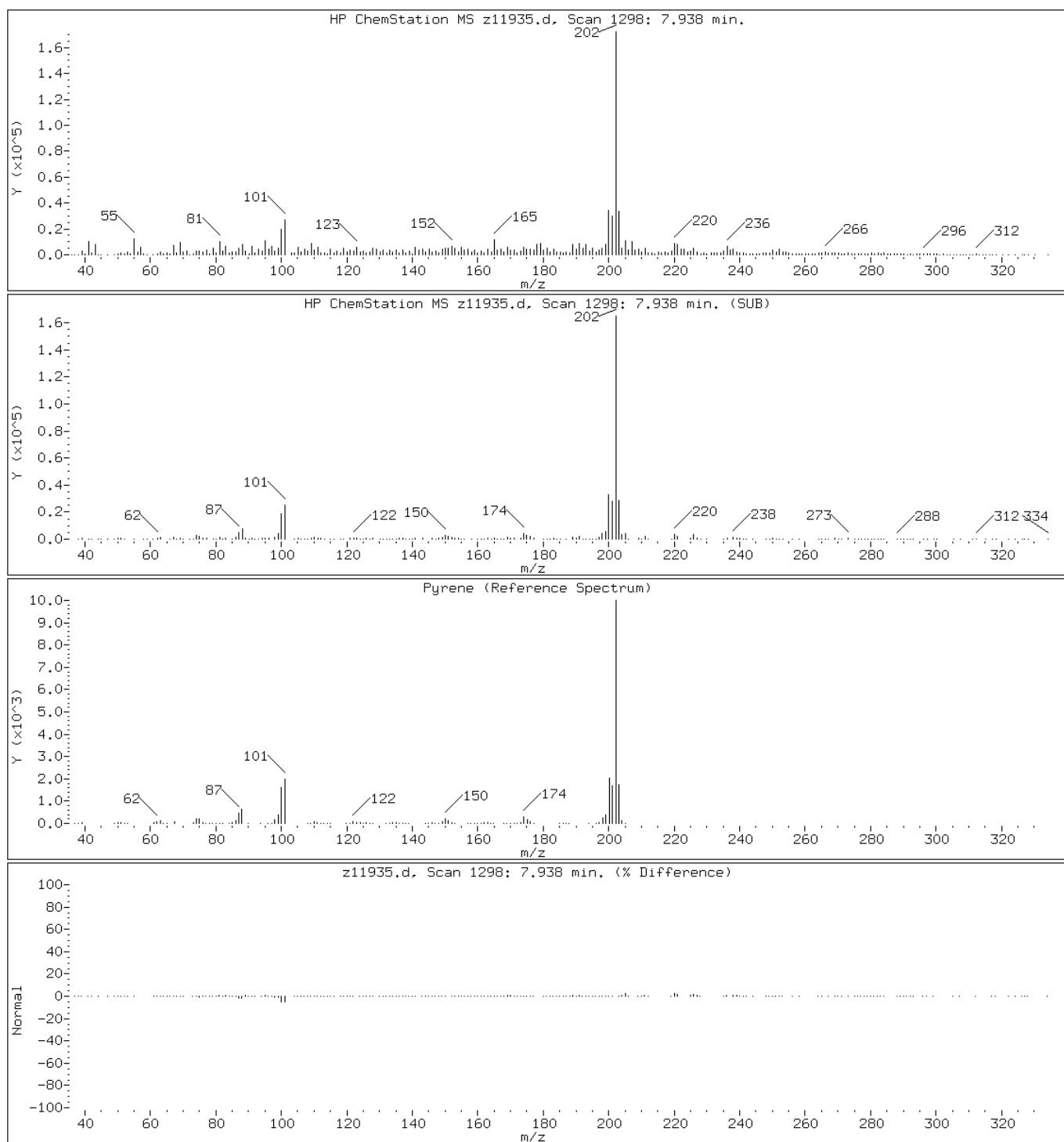
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

## 57 Pyrene



Data File: z11935.d

Date: 16-AUG-2012 00:01

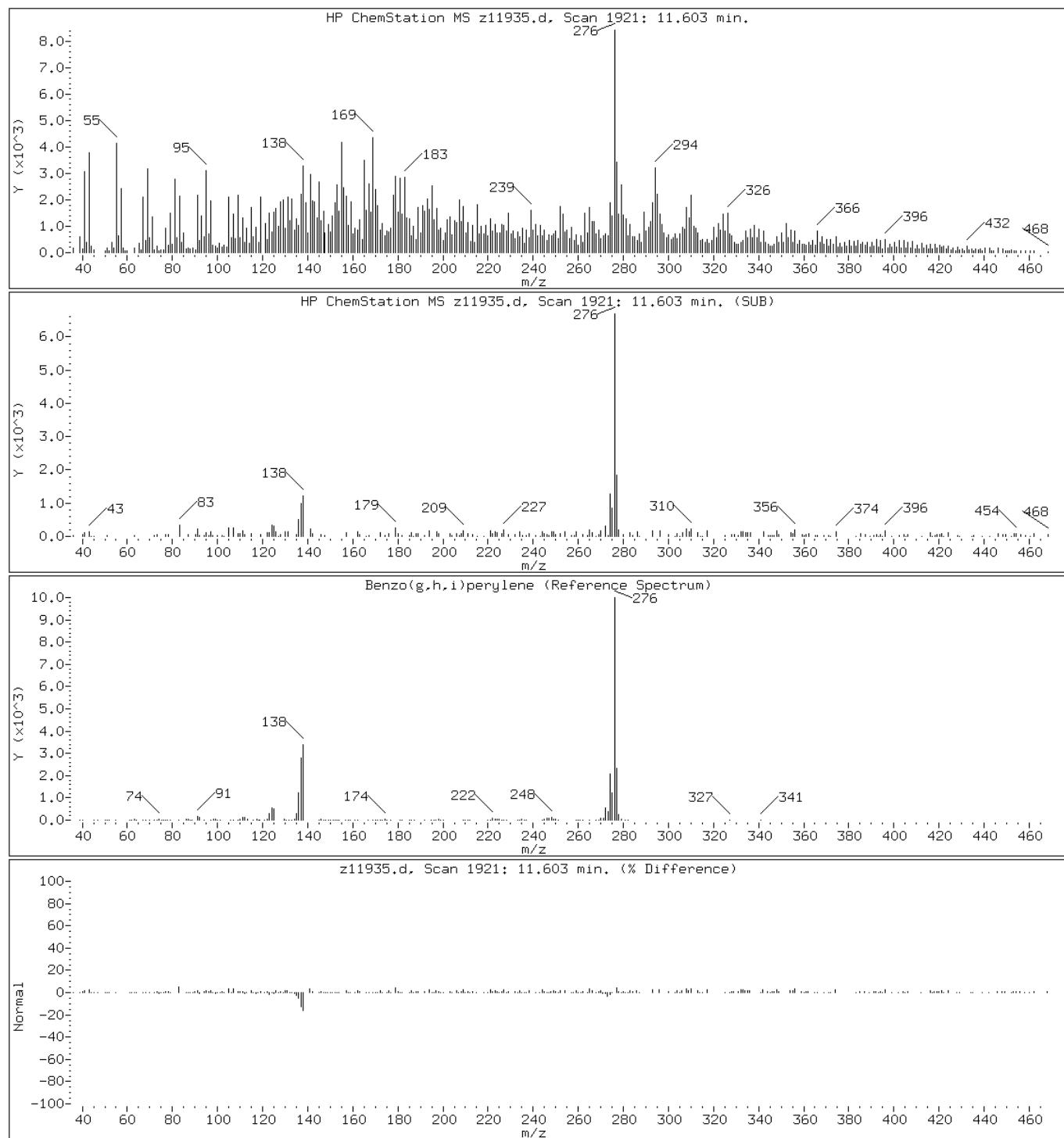
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

70 Benzo(g,h,i)perylene



Data File: z11935.d

Date: 16-AUG-2012 00:01

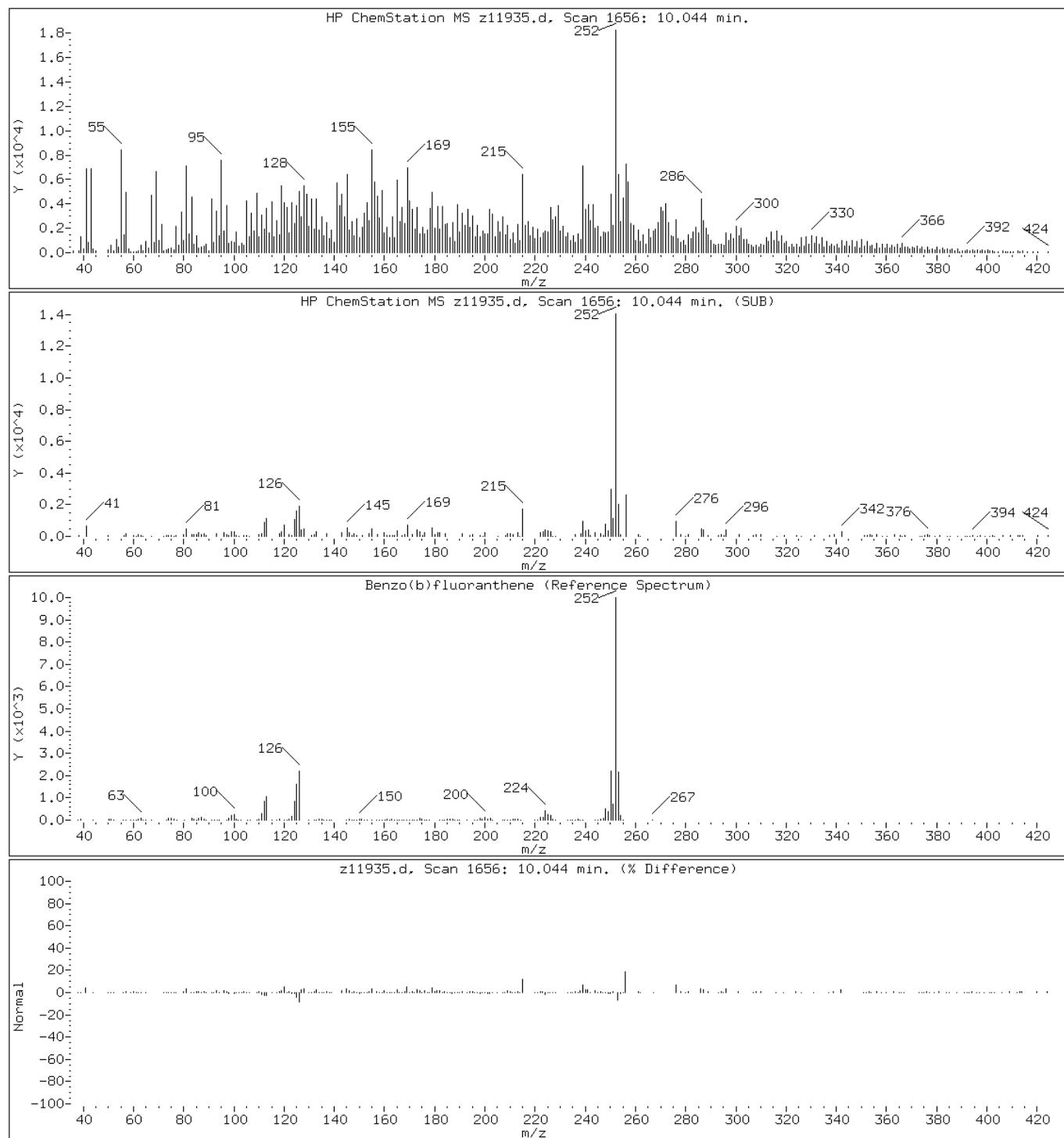
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

65 Benzo(b)fluoranthene



Data File: z11935.d

Date: 16-AUG-2012 00:01

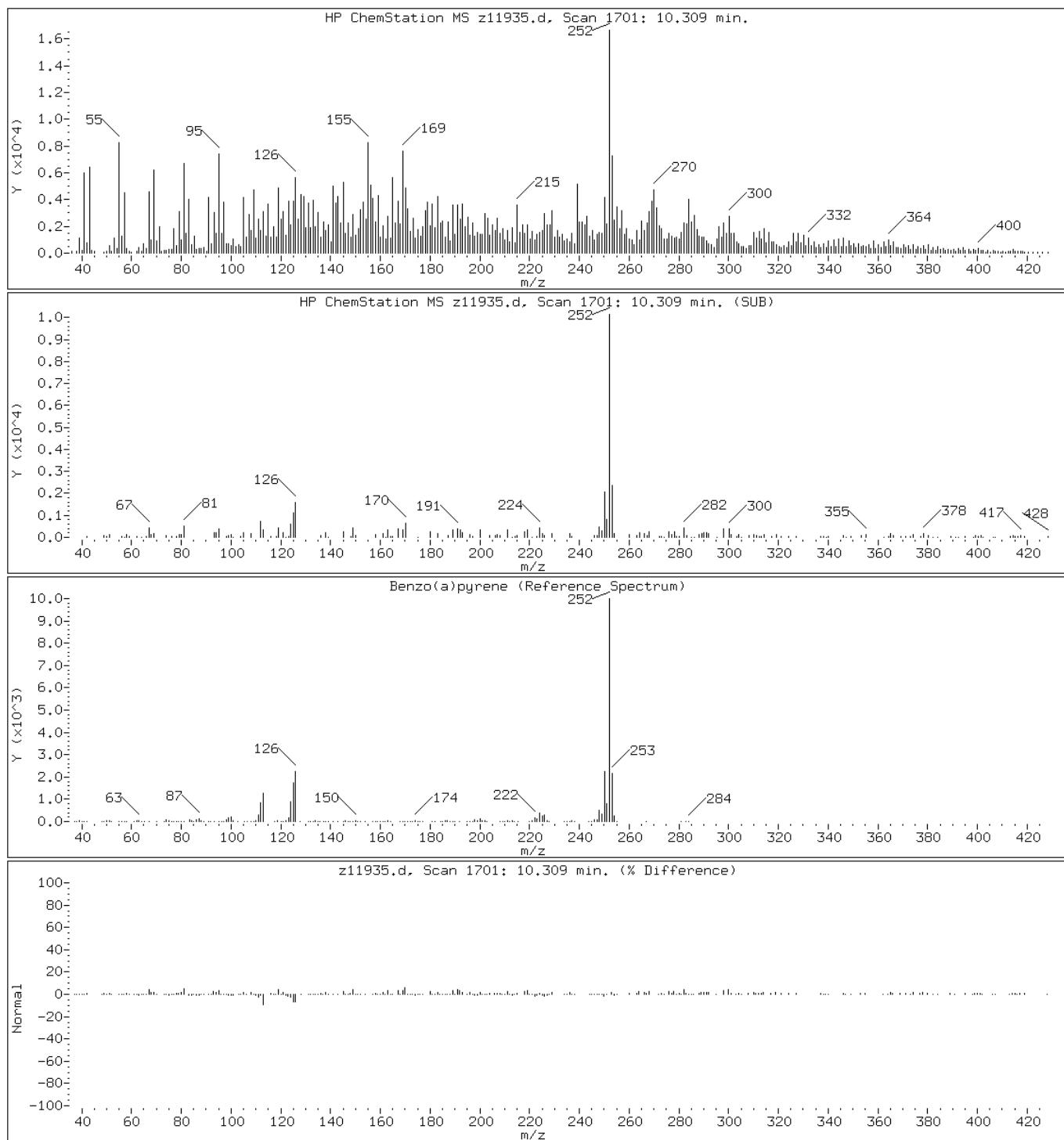
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

67 Benzo(a)pyrene



Data File: z11935.d

Date: 16-AUG-2012 00:01

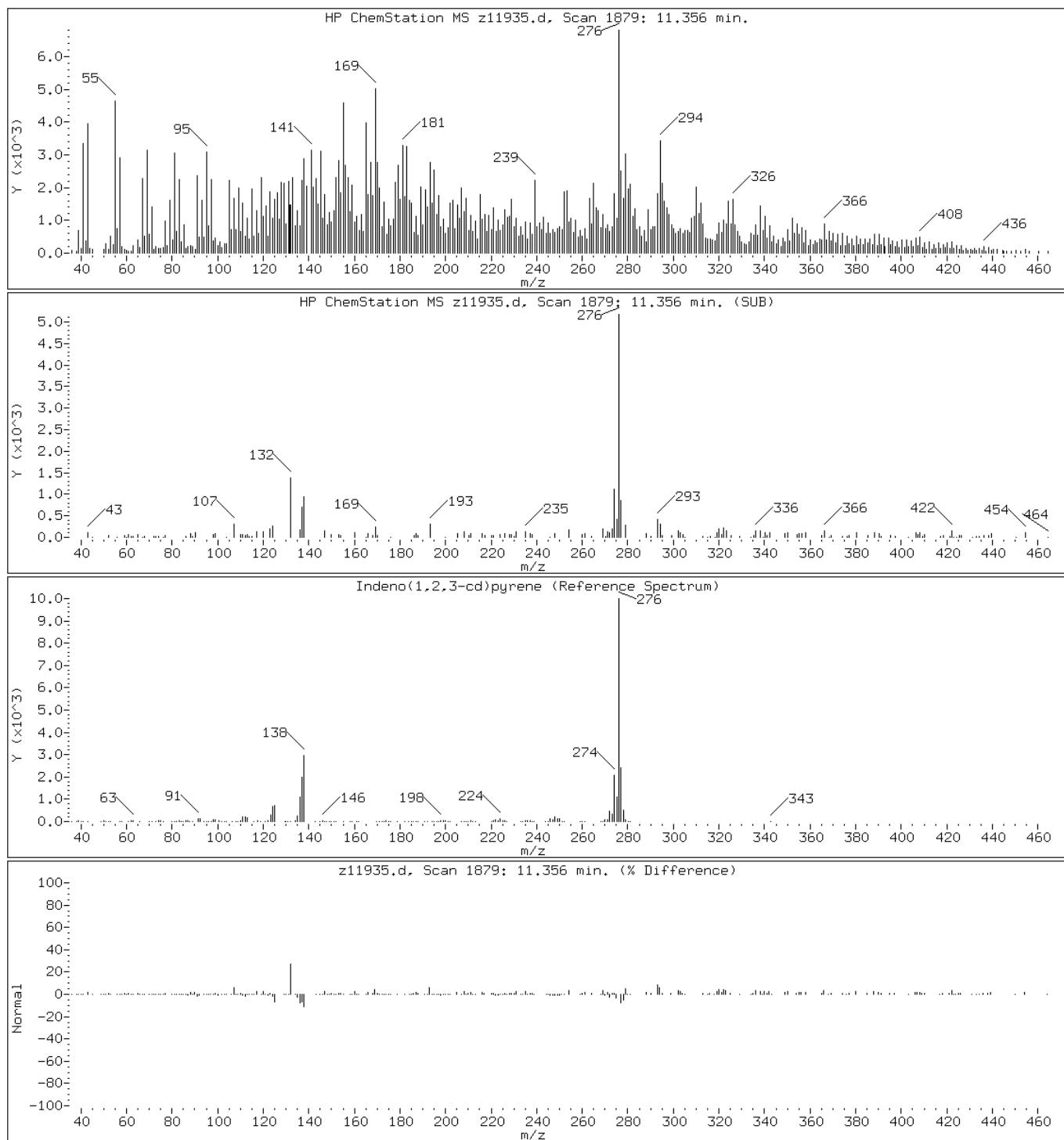
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

68 Indeno(1,2,3-cd)pyrene



Data File: z11935.d

Date: 16-AUG-2012 00:01

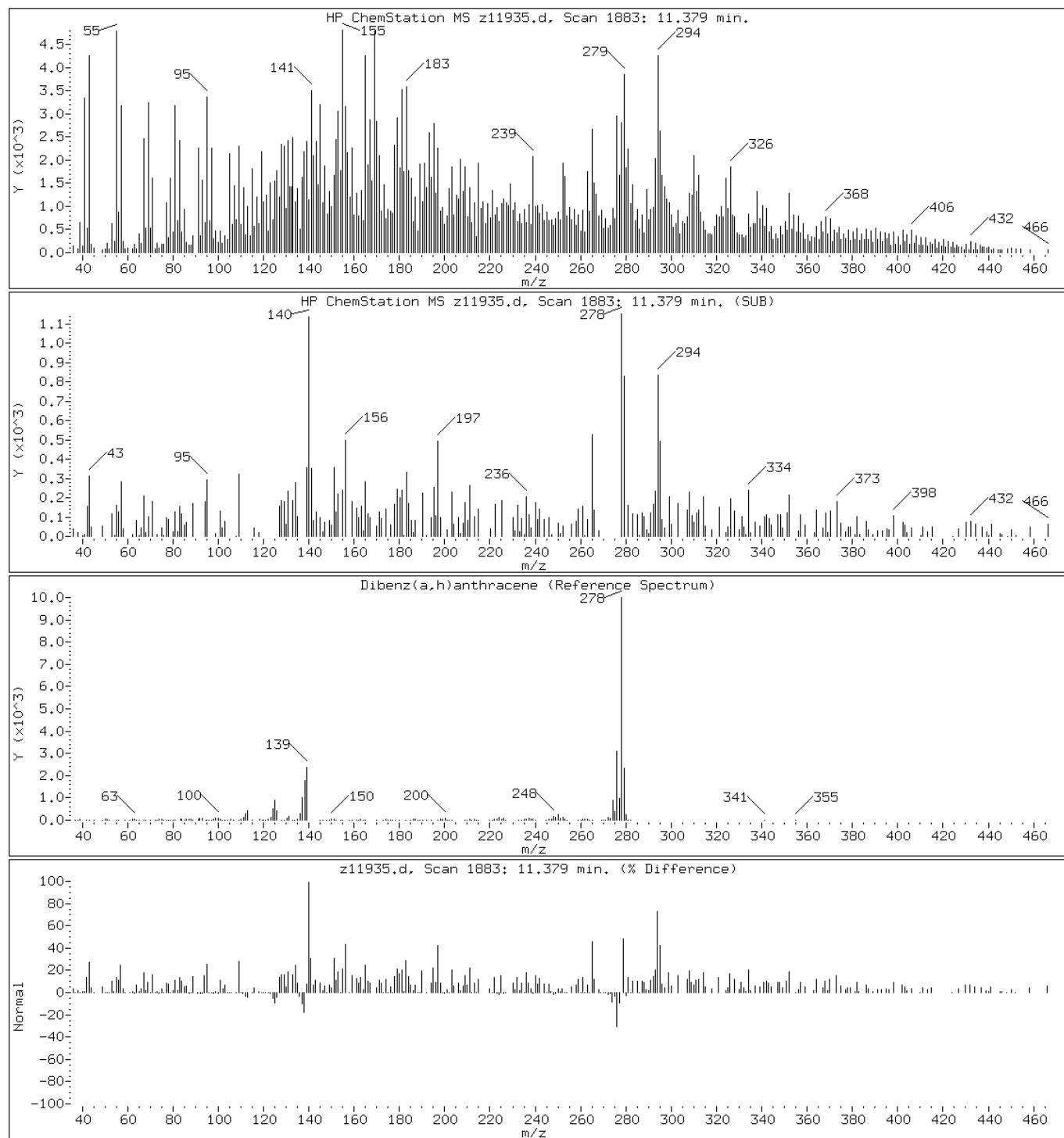
Client ID: 20120807SB-438V5-6N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-2-B

Operator: BNAMS 4

69 Dibenz(a,h)anthracene

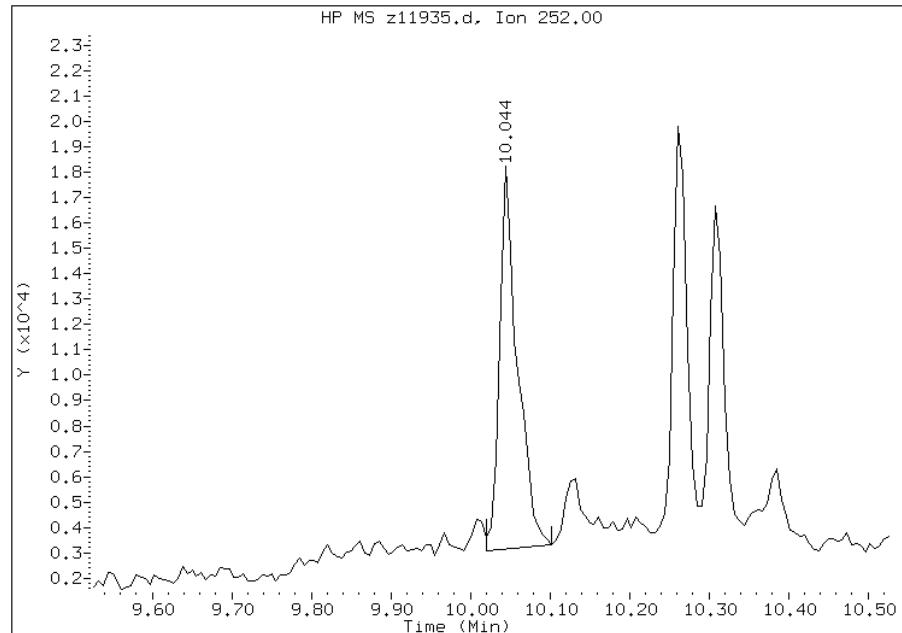


## Manual Integration Report

Data File: z11935.d  
Inj. Date and Time: 16-AUG-2012 00:01  
Instrument ID: BNAMS11.i  
Client ID: 20120807SB-438V5-6N  
Compound: 65 Benzo(b)fluoranthene  
CAS #: 205-99-2  
Report Date: 08/17/2012

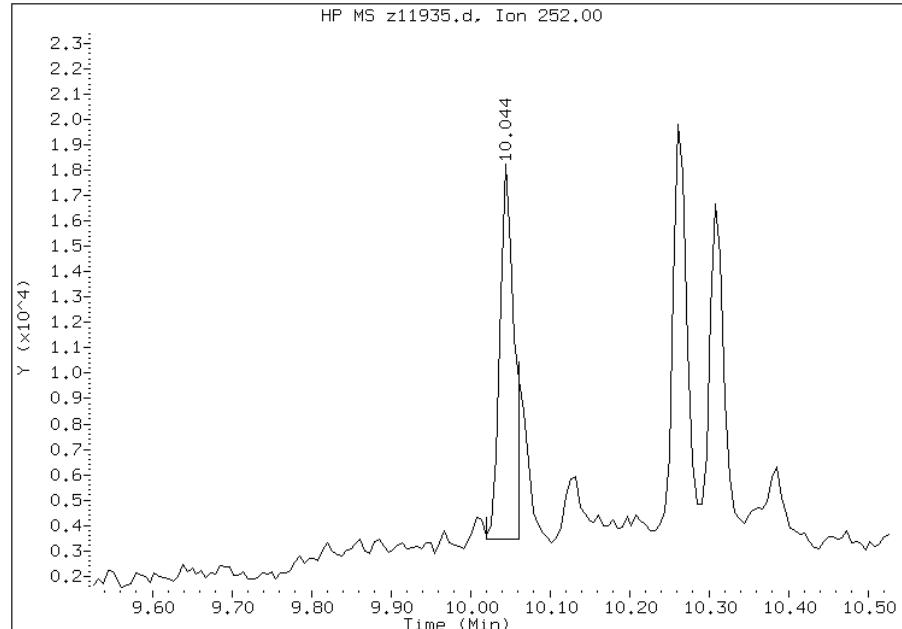
### Processing Integration Results

RT: 10.04  
Response: 23747  
Amount: 3  
Conc: 242



### Manual Integration Results

RT: 10.04  
Response: 18920  
Amount: 2  
Conc: 193



Manually Integrated By: wahied  
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Matrix: Solid

Lab File ID: z11884.d

Analysis Method: 8270C

Date Collected: 08/07/2012 09:45

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.02(g)

Date Analyzed: 08/15/2012 04:40

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 2.5

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	45	U	340	45
95-57-8	2-Chlorophenol	45	U	340	45
95-48-7	2-Methylphenol	58	U	340	58
106-44-5	4-Methylphenol	67	U	340	67
100-52-7	Benzaldehyde	40	U	340	40
98-86-2	Acetophenone	52	U	340	52
111-44-4	Bis(2-chloroethyl)ether	4.6	U	34	4.6
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	340	37
621-64-7	N-Nitrosodi-n-propylamine	5.7	U	34	5.7
98-95-3	Nitrobenzene	4.8	U	34	4.8
67-72-1	Hexachloroethane	3.8	U	34	3.8
78-59-1	Isophorone	41	U	340	41
88-75-5	2-Nitrophenol	38	U	340	38
105-67-9	2,4-Dimethylphenol	84	U	340	84
120-83-2	2,4-Dichlorophenol	50	U	340	50
111-91-1	Bis(2-chloroethoxy)methane	44	U	340	44
91-20-3	Naphthalene	39	U	340	39
106-47-8	4-Chloroaniline	90	U	340	90
87-68-3	Hexachlorobutadiene	8.3	U	69	8.3
105-60-2	Caprolactam	78	U	340	78
59-50-7	4-Chloro-3-methylphenol	51	U	340	51
91-57-6	2-Methylnaphthalene	44	U	340	44
118-74-1	Hexachlorobenzene	4.6	U	34	4.6
77-47-4	Hexachlorocyclopentadiene	40	U	340	40
88-06-2	2,4,6-Trichlorophenol	40	U	340	40
95-95-4	2,4,5-Trichlorophenol	44	U	340	44
92-52-4	Diphenyl	45	U	340	45
91-58-7	2-Chloronaphthalene	38	U	340	38
88-74-4	2-Nitroaniline	140	U	690	140
606-20-2	2,6-Dinitrotoluene	10	U	69	10
131-11-3	Dimethyl phthalate	40	U	340	40
208-96-8	Acenaphthylene	40	U	340	40
99-09-2	3-Nitroaniline	120	U	690	120
83-32-9	Acenaphthene	49	U	340	49

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Matrix: Solid

Lab File ID: z11884.d

Analysis Method: 8270C

Date Collected: 08/07/2012 09:45

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.02(g)

Date Analyzed: 08/15/2012 04:40

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 2.5

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	220	U	1000	220
51-28-5	2,4-Dinitrophenol	190	U	1000	190
132-64-9	Dibenzofuran	40	U	340	40
84-66-2	Diethyl phthalate	40	U	340	40
86-73-7	Fluorene	43	U	340	43
206-44-0	Fluoranthene	45	U	340	45
84-74-2	Di-n-butyl phthalate	42	U	340	42
121-14-2	2,4-Dinitrotoluene	11	U	69	11
7005-72-3	4-Chlorophenyl phenyl ether	40	U	340	40
100-01-6	4-Nitroaniline	110	U	690	110
534-52-1	4,6-Dinitro-2-methylphenol	92	U	1000	92
101-55-3	4-Bromophenyl phenyl ether	34	U	340	34
1912-24-9	Atrazine	52	U	340	52
120-12-7	Anthracene	41	U	340	41
86-74-8	Carbazole	40	U	340	40
85-01-8	Phenanthrene	43	U	340	43
87-86-5	Pentachlorophenol	100	U	1000	100
129-00-0	Pyrene	28	U	340	28
218-01-9	Chrysene	40	U	340	40
207-08-9	Benzo[k]fluoranthene	2.6	U	34	2.6
191-24-2	Benzo[g,h,i]perylene	25	U	340	25
205-99-2	Benzo[b]fluoranthene	2.1	U	34	2.1
50-32-8	Benzo[a]pyrene	2.4	U	34	2.4
56-55-3	Benzo[a]anthracene	2.4	U	34	2.4
86-30-6	N-Nitrosodiphenylamine	33	U	340	33
85-68-7	Butyl benzyl phthalate	31	U	340	31
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	340	110
117-84-0	Di-n-octyl phthalate	22	U	340	22
193-39-5	Indeno[1,2,3-cd]pyrene	6.3	U	34	6.3
53-70-3	Dibenz(a,h)anthracene	4.3	U	34	4.3
91-94-1	3,3'-Dichlorobenzidine	120	U	690	120
95-94-3	1,2,4,5-Tetrachlorobenzene	46	U	340	46
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	340	44

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-436V0-2N</u>	Lab Sample ID: <u>460-43235-3</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z11884.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/07/2012 09:45</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>08/10/2012 09:24</u>
Sample wt/vol: <u>15.02(g)</u>	Date Analyzed: <u>08/15/2012 04:40</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>2.5</u>	GPC Cleanup:(Y/N) <u>N</u>
Analysis Batch No.: <u>124158</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	68		38-105
4165-62-2	Phenol-d5	74		41-118
1718-51-0	Terphenyl-d14	77		16-151
118-79-6	2,4,6-Tribromophenol	58		10-120
367-12-4	2-Fluorophenol	71		37-125
321-60-8	2-Fluorobiphenyl	73		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11884.d  
Report Date: 15-Aug-2012 10:32

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11884.d  
Lab Smp Id: 460-43235-E-3-B Client Smp ID: 20120807SB-436V0-2N  
Inj Date : 15-AUG-2012 04:40  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : 460-43235-E-3-B  
Misc Info : 460-43235-E-3-B  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 10  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	2.50000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 16 2-Fluorophenol (SUR)	112	1.186	1.121 (0.556)		595707	70.6177	4800
\$ 17 Phenol-d5 (SUR)	99	1.927	1.927 (0.903)		777436	74.3420	5100
* 79 1,4-Dichlorobenzene-d4	152	2.133	2.127 (1.000)		265825	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	2.692	2.703 (0.784)		318808	33.8379	2300
* 80 Naphthalene-d8	136	3.433	3.445 (1.000)		1061746	40.0000	
31 Naphthalene	128	3.456	3.468 (1.007)		9921	0.35357	24(a)
\$ 77 2-Fluorobiphenyl (SUR)	172	4.609	4.615 (0.884)		680465	36.5528	2500
* 82 Acenaphthene-d10	164	5.215	5.221 (1.000)		519640	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.985	5.992 (1.148)		130731	58.2441	4000
115 n-Octadecane	57	6.697	6.703 (1.012)		2080	0.24508	17(a)
* 83 Phenanthrene-d10	188	6.621	6.621 (1.000)		672780	40.0000	
52 Phenanthrene	178	6.638	6.644 (1.003)		2969	0.15976	11(a)
\$ 78 Terphenyl-d14	244	8.179	8.185 (0.898)		436641	38.4411	2600

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11884.d  
Report Date: 15-Aug-2012 10:32

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
=====	====	==	=====	=====	=====	=====	=====
* 81 Chrysene-d12		240	9.109	9.115 (1.000)	328042	40.0000	
* 84 Perylene-d12		264	10.367	10.374 (1.000)	247454	40.0000	

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: z11884.d

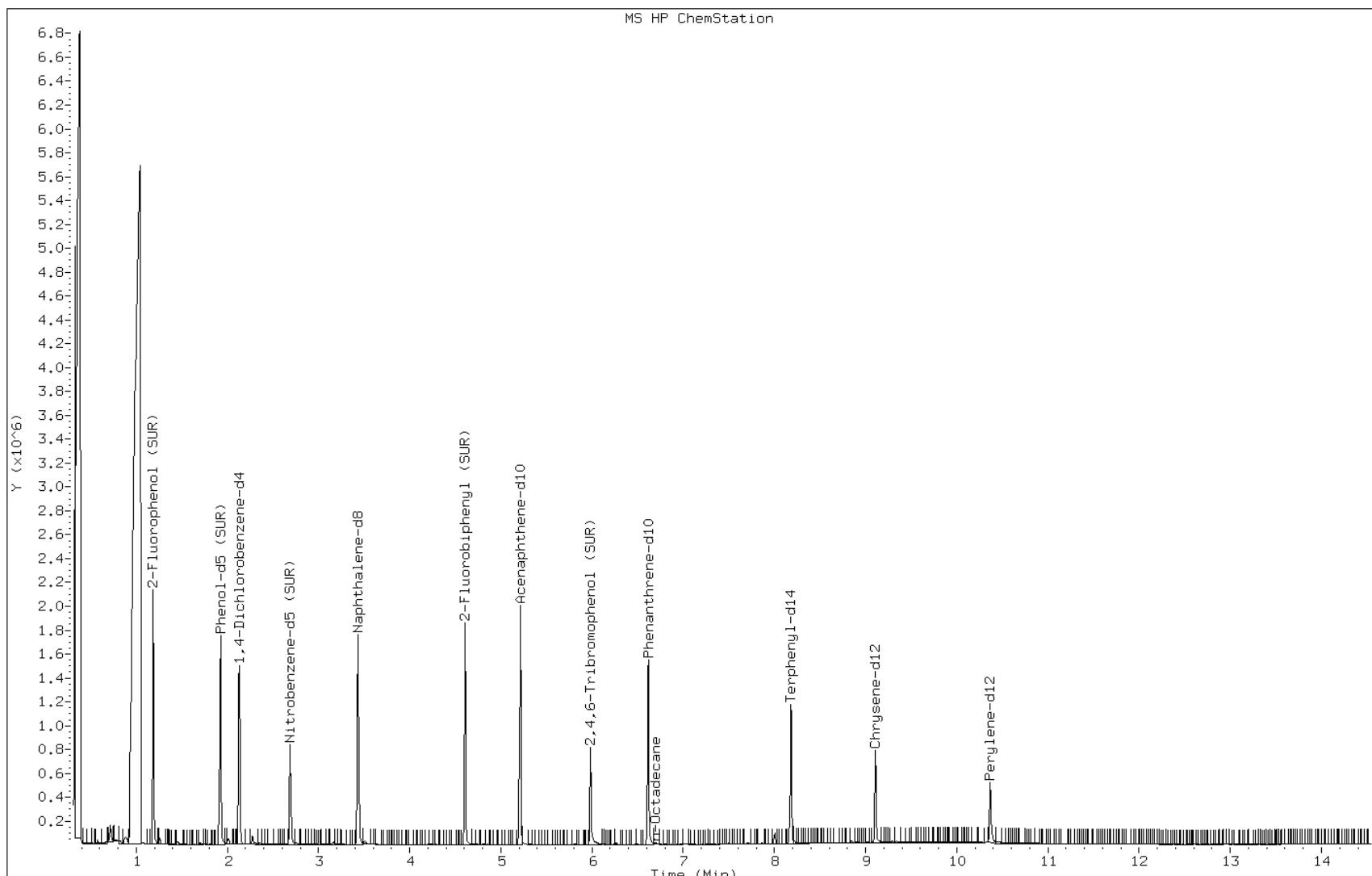
Date: 15-AUG-2012 04:40

Client ID: 20120807SB-436V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-3-B

Operator: BNAMS 4



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Matrix: Solid

Lab File ID: z11932.d

Analysis Method: 8270C

Date Collected: 08/07/2012 10:40

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.00(g)

Date Analyzed: 08/15/2012 22:59

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 19.6

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124326

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	55	U	410	55
95-57-8	2-Chlorophenol	54	U	410	54
95-48-7	2-Methylphenol	70	U	410	70
106-44-5	4-Methylphenol	81	U	410	81
100-52-7	Benzaldehyde	48	U	410	48
98-86-2	Acetophenone	63	U	410	63
111-44-4	Bis(2-chloroethyl)ether	1600		41	5.6
108-60-1	2,2'-oxybis[1-chloropropane]	46	U	410	46
621-64-7	N-Nitrosodi-n-propylamine	6.9	U	41	6.9
98-95-3	Nitrobenzene	5.8	U	41	5.8
67-72-1	Hexachloroethane	4.6	U	41	4.6
78-59-1	Isophorone	50	U	410	50
88-75-5	2-Nitrophenol	46	U	410	46
105-67-9	2,4-Dimethylphenol	100	U	410	100
120-83-2	2,4-Dichlorophenol	60	U	410	60
111-91-1	Bis(2-chloroethoxy)methane	53	U	410	53
91-20-3	Naphthalene	360	J	410	48
106-47-8	4-Chloroaniline	110	U	410	110
87-68-3	Hexachlorobutadiene	10	U	83	10
105-60-2	Caprolactam	95	U	410	95
59-50-7	4-Chloro-3-methylphenol	62	U	410	62
91-57-6	2-Methylnaphthalene	140	J	410	53
118-74-1	Hexachlorobenzene	5.6	U	41	5.6
77-47-4	Hexachlorocyclopentadiene	48	U	410	48
88-06-2	2,4,6-Trichlorophenol	48	U	410	48
95-95-4	2,4,5-Trichlorophenol	53	U	410	53
92-52-4	Diphenyl	77	J	410	55
91-58-7	2-Chloronaphthalene	46	U	410	46
88-74-4	2-Nitroaniline	170	U	830	170
606-20-2	2,6-Dinitrotoluene	12	U	83	12
131-11-3	Dimethyl phthalate	49	U	410	49
208-96-8	Acenaphthylene	52	J	410	49
99-09-2	3-Nitroaniline	150	U	830	150
83-32-9	Acenaphthene	250	J	410	60

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Matrix: Solid

Lab File ID: z11932.d

Analysis Method: 8270C

Date Collected: 08/07/2012 10:40

Extract. Method: 3541

Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.00(g)

Date Analyzed: 08/15/2012 22:59

Con. Extract Vol.: 1(mL)

Dilution Factor: 1

Injection Volume: 1(uL)

Level: (low/med) Low

% Moisture: 19.6

GPC Cleanup:(Y/N) N

Analysis Batch No.: 124326

Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	260	U	1200	260
51-28-5	2,4-Dinitrophenol	230	U	1200	230
132-64-9	Dibenzofuran	310	J	410	48
84-66-2	Diethyl phthalate	49	U	410	49
86-73-7	Fluorene	320	J	410	53
206-44-0	Fluoranthene	3500		410	55
84-74-2	Di-n-butyl phthalate	51	U	410	51
121-14-2	2,4-Dinitrotoluene	14	U	83	14
7005-72-3	4-Chlorophenyl phenyl ether	48	U	410	48
100-01-6	4-Nitroaniline	130	U	830	130
534-52-1	4,6-Dinitro-2-methylphenol	110	U	1200	110
101-55-3	4-Bromophenyl phenyl ether	41	U	410	41
1912-24-9	Atrazine	64	U	410	64
120-12-7	Anthracene	740		410	50
86-74-8	Carbazole	180	J	410	49
85-01-8	Phenanthrene	2600		410	52
87-86-5	Pentachlorophenol	120	U	1200	120
129-00-0	Pyrene	2700		410	34
218-01-9	Chrysene	1900		410	48
207-08-9	Benzo[k]fluoranthene	630		41	3.1
191-24-2	Benzo[g,h,i]perylene	1400		410	30
205-99-2	Benzo[b]fluoranthene	2300		41	2.6
50-32-8	Benzo[a]pyrene	1900		41	2.9
56-55-3	Benzo[a]anthracene	2100		41	2.9
86-30-6	N-Nitrosodiphenylamine	41	U	410	41
85-68-7	Butyl benzyl phthalate	38	U	410	38
117-81-7	Bis(2-ethylhexyl) phthalate	1000		410	140
117-84-0	Di-n-octyl phthalate	26	U	410	26
193-39-5	Indeno[1,2,3-cd]pyrene	1900		41	7.7
53-70-3	Dibenz(a,h)anthracene	340		41	5.2
91-94-1	3,3'-Dichlorobenzidine	140	U	830	140
95-94-3	1,2,4,5-Tetrachlorobenzene	55	U	410	55
58-90-2	2,3,4,6-Tetrachlorophenol	53	U	410	53

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-435V0-2N</u>	Lab Sample ID: <u>460-43235-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>z11932.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/07/2012 10:40</u>
Extract. Method: <u>3541</u>	Date Extracted: <u>08/10/2012 09:24</u>
Sample wt/vol: <u>15.00(g)</u>	Date Analyzed: <u>08/15/2012 22:59</u>
Con. Extract Vol.: <u>1(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	Level: (low/med) <u>Low</u>
% Moisture: <u>19.6</u>	GPC Cleanup:(Y/N) <u>N</u>
Analysis Batch No.: <u>124326</u>	Units: <u>ug/Kg</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	69		38-105
4165-62-2	Phenol-d5	76		41-118
1718-51-0	Terphenyl-d14	69		16-151
118-79-6	2,4,6-Tribromophenol	75		10-120
367-12-4	2-Fluorophenol	74		37-125
321-60-8	2-Fluorobiphenyl	83		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11932.d  
Report Date: 17-Aug-2012 09:35

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11932.d  
Lab Smp Id: 460-43235-E-4-D Client Smp ID: 20120807SB-435V0-2N  
Inj Date : 15-AUG-2012 22:59  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : 460-43235-E-4-D  
Misc Info : 460-43235-E-4-D  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/8270C\_11.m  
Meth Date : 15-Aug-2012 14:36 czhao Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 27  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-soil.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	19.61538	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml) FINAL (ug/Kg)
\$ 16 2-Fluorophenol (SUR)	112	1.151	1.098 (0.549)	677987	74.2443	6200	
\$ 17 Phenol-d5 (SUR)	99	1.903	1.898 (0.907)	858708	75.8536	6300	
20 bis(2-Chloroethyl)ether	93	1.915	1.921 (0.913)	163837	18.9125	1600	
113 n-decane	43	2.015	2.021 (0.961)	5769	0.65159	54(a)	
* 79 1,4-Dichlorobenzene-d4	152	2.098	2.098 (1.000)	287763	40.0000		
22 1,4-Dichlorobenzene	146	2.115	2.115 (1.008)	2767	0.23898	20(a)	
23 1,2-Dichlorobenzene	146	2.250	2.250 (1.073)	9583	0.87281	72(a)	
104 Acetophenone	105	2.527	2.545 (1.205)	2592	0.20717	17(aM)	
\$ 76 Nitrobenzene-d5 (SUR)	82	2.656	2.680 (0.780)	325394	34.6589	2900	
28 Isophorone	82	2.956	2.980 (0.869)	4830	0.32949	27(aH)	
6 2,4-Dimethylphenol	122	3.209	3.203 (0.943)	1559	0.19102	16(aH)	
* 80 Naphthalene-d8	136	3.403	3.415 (1.000)	1058011	40.0000		
31 Naphthalene	128	3.427	3.439 (1.007)	122156	4.36887	360(a)	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11932.d  
 Report Date: 17-Aug-2012 09:35

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
34 2-Methylnaphthalene		142	4.168	4.180 (1.225)		35806	1.72152	140(a)
120 1-Methylnaphthalene		142	4.262	4.268 (1.252)		25054	1.39483	120(a)
\$ 77 2-Fluorobiphenyl (SUR)		172	4.586	4.591 (0.883)		642488	41.3556	3400
102 Diphenyl		154	4.668	4.674 (0.899)		15374	0.93011	77(a)
125 1,3-Dimethylnaphthalene		156	4.880	4.891 (0.940)		22588	2.00833	170(aH)
39 Acenaphthylene		152	5.044	5.050 (0.972)		12277	0.62187	52(a)
* 82 Acenaphthene-d10		164	5.191	5.191 (1.000)		433658	40.0000	
42 Acenaphthene		154	5.215	5.227 (1.005)		34648	2.95670	240(a)
43 Dibenzofuran		168	5.391	5.397 (1.039)		61636	3.70346	310(a)
47 Fluorene		166	5.715	5.727 (1.101)		49466	3.81497	320(a)
\$ 18 2,4,6-Tribromophenol (SUR)		330	5.962	5.968 (1.148)		140519	75.0177	6200
115 n-Octadecane		57	6.674	6.680 (1.012)		11889	2.00917	170(a)
* 83 Phenanthrene-d10		188	6.597	6.597 (1.000)		469086	40.0000	
52 Phenanthrene		178	6.615	6.621 (1.003)		407826	31.4740	2600
53 Anthracene		178	6.662	6.668 (1.010)		115520	8.91844	740
54 Carbazole		167	6.862	6.862 (1.040)		22194	2.13286	180(a)
56 Fluoranthene		202	7.732	7.732 (1.172)		455251	42.7923	3500
57 Pyrene		202	7.932	7.927 (0.873)		385593	32.9235	2700
\$ 78 Terphenyl-d14		244	8.162	8.156 (0.898)		283174	34.6446	2900
61 Benzo(a)anthracene		228	9.079	9.074 (0.999)		181585	25.9073	2100
* 81 Chrysene-d12		240	9.091	9.085 (1.000)		236058	40.0000	
63 bis(2-Ethylhexyl)phthalate		149	9.279	9.279 (1.021)		71703	12.6353	1000
62 Chrysene		228	9.109	9.109 (1.002)		160068	22.9347	1900
65 Benzo(b)fluoranthene		252	10.032	10.026 (0.969)		236584	27.7228	2300(M)
66 Benzo(k)fluoranthene		252	10.050	10.050 (0.971)		75296	7.54093	620(M)
67 Benzo(a)pyrene		252	10.297	10.291 (0.995)		157142	23.3331	1900
* 84 Perylene-d12		264	10.350	10.338 (1.000)		269748	40.0000	
68 Indeno(1,2,3-cd)pyrene		276	11.332	11.326 (1.095)		104935	23.1944	1900
69 Dibenz(a,h)anthracene		278	11.362	11.356 (1.098)		20952	4.06925	340
70 Benzo(g,h,i)perylene		276	11.579	11.568 (1.119)		96915	17.3703	1400

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11932.d

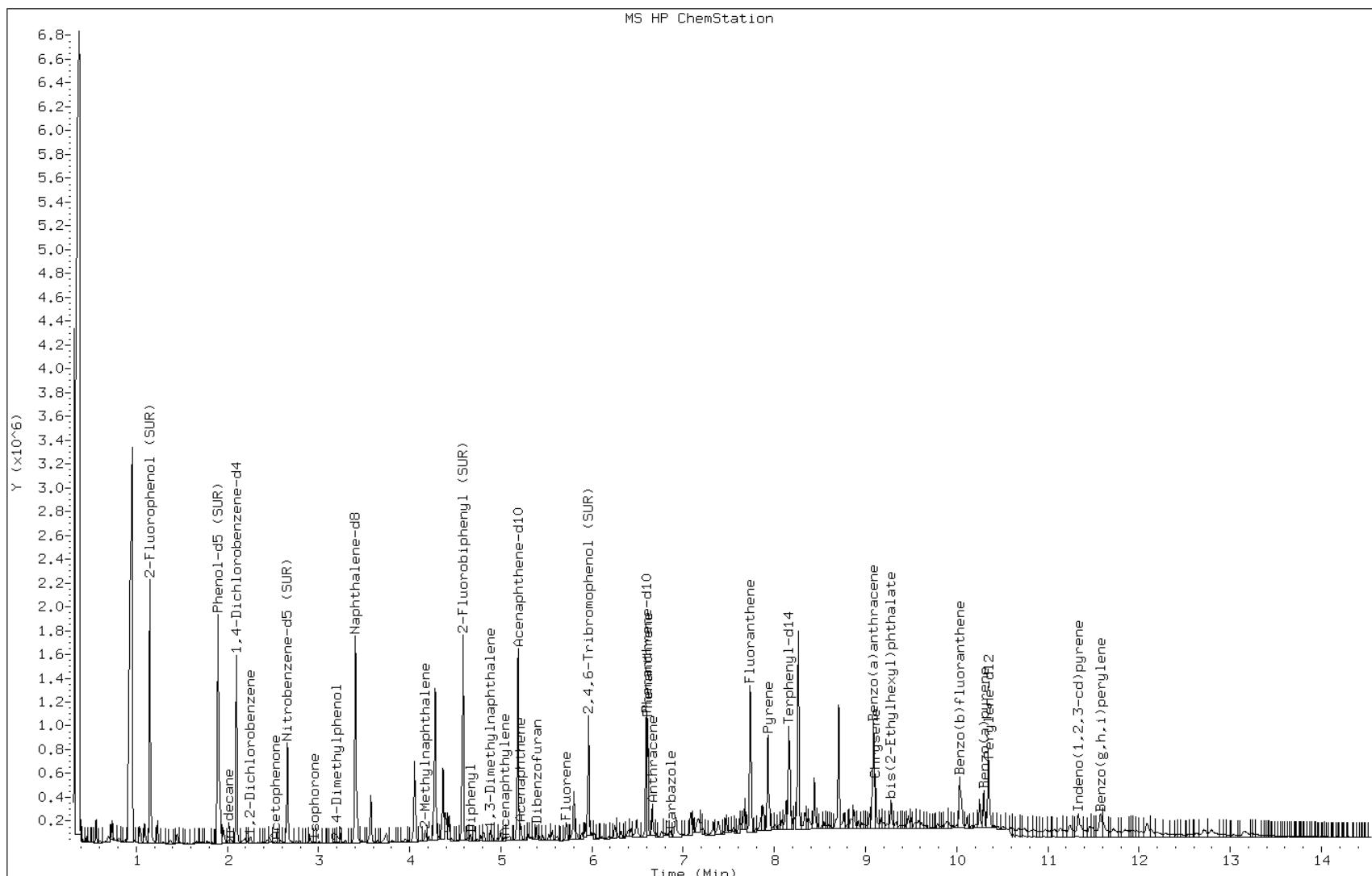
Date: 15-AUG-2012 22:59

Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4



Data File: z11932.d

Date: 15-AUG-2012 22:59

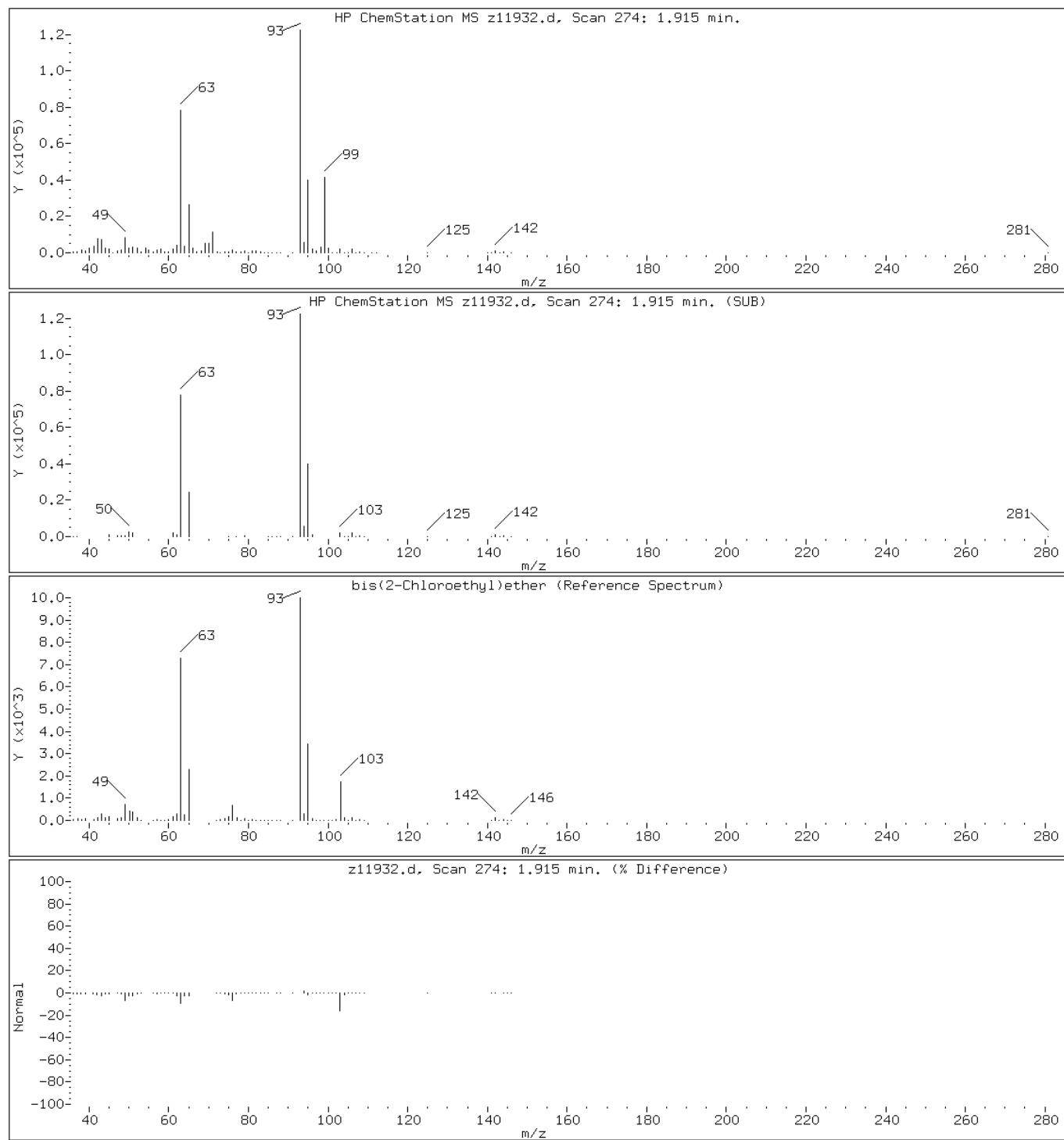
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

20 bis(2-Chloroethyl)ether



Data File: z11932.d

Date: 15-AUG-2012 22:59

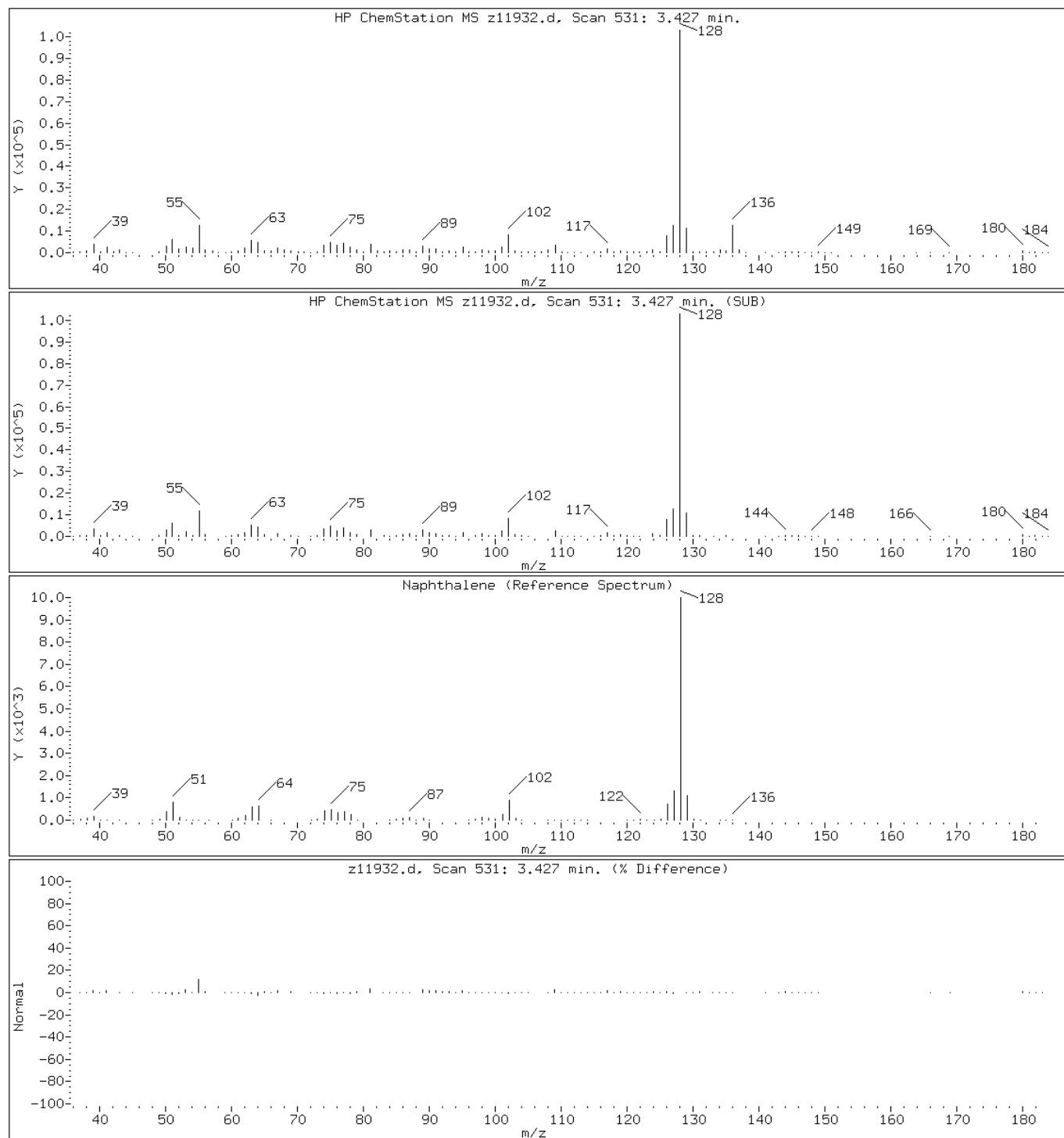
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

### 31 Naphthalene



Data File: z11932.d

Date: 15-AUG-2012 22:59

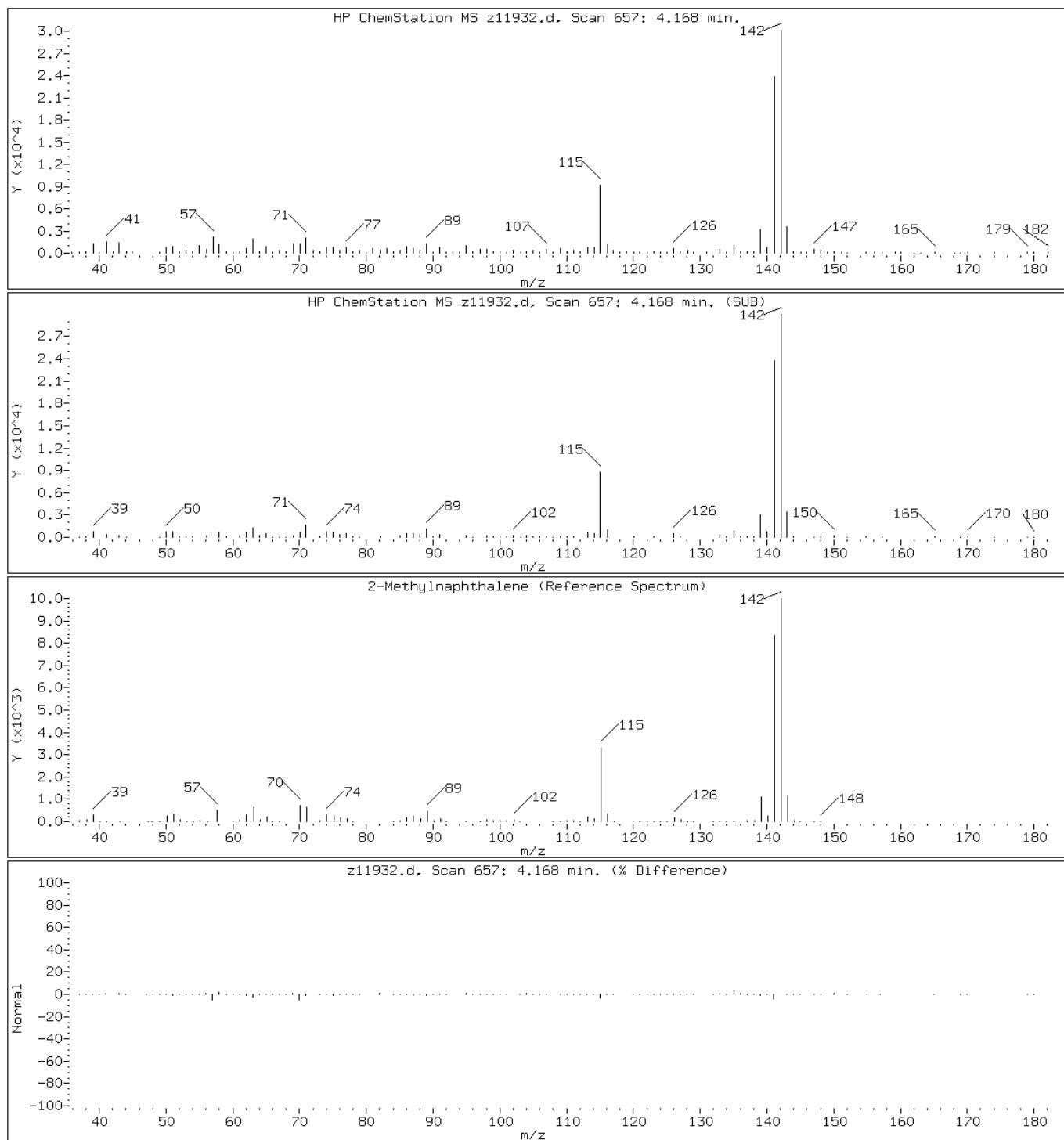
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

34 2-Methylnaphthalene



Data File: z11932.d

Date: 15-AUG-2012 22:59

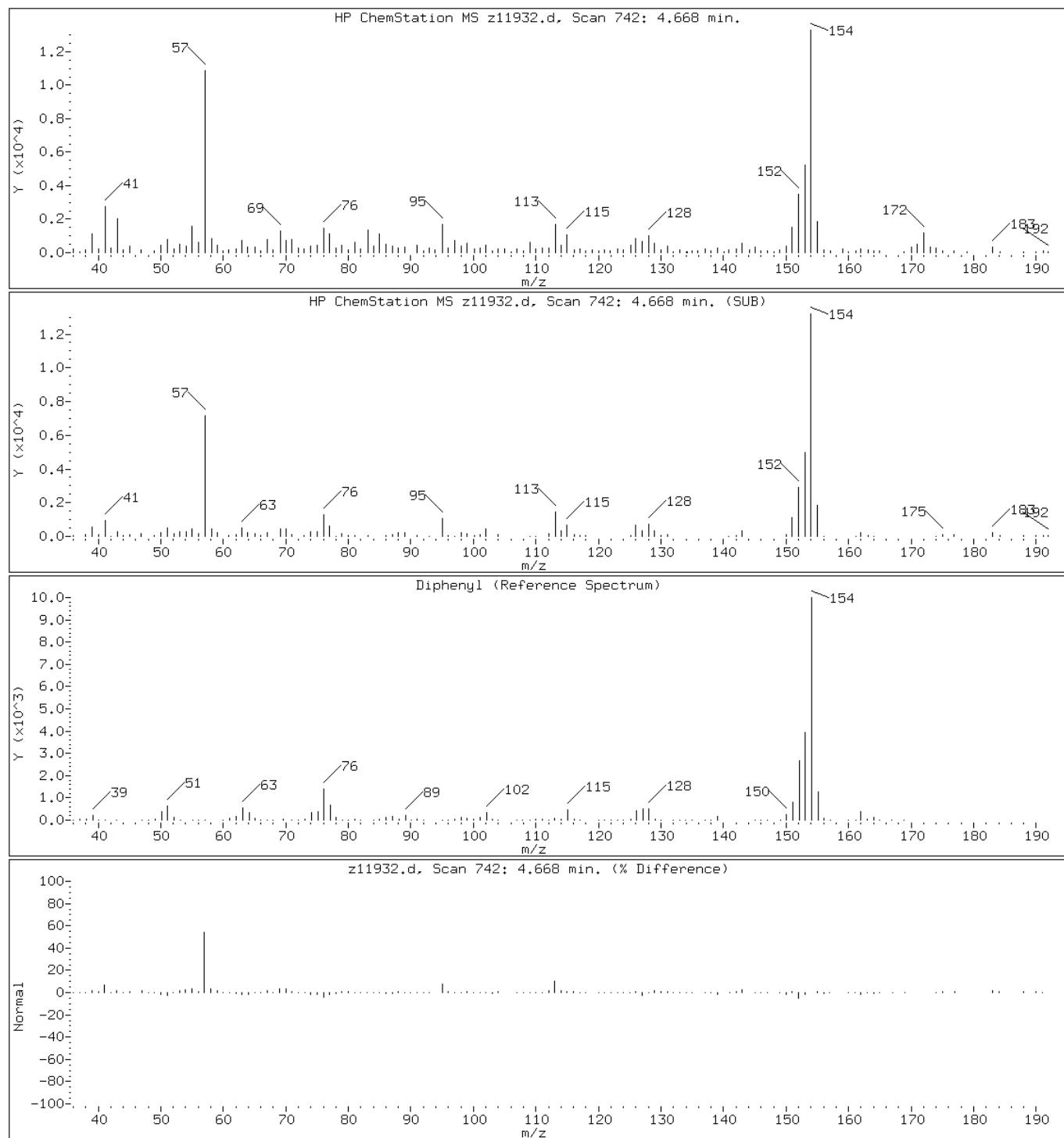
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

## 102 Diphenyl



Data File: z11932.d

Date: 15-AUG-2012 22:59

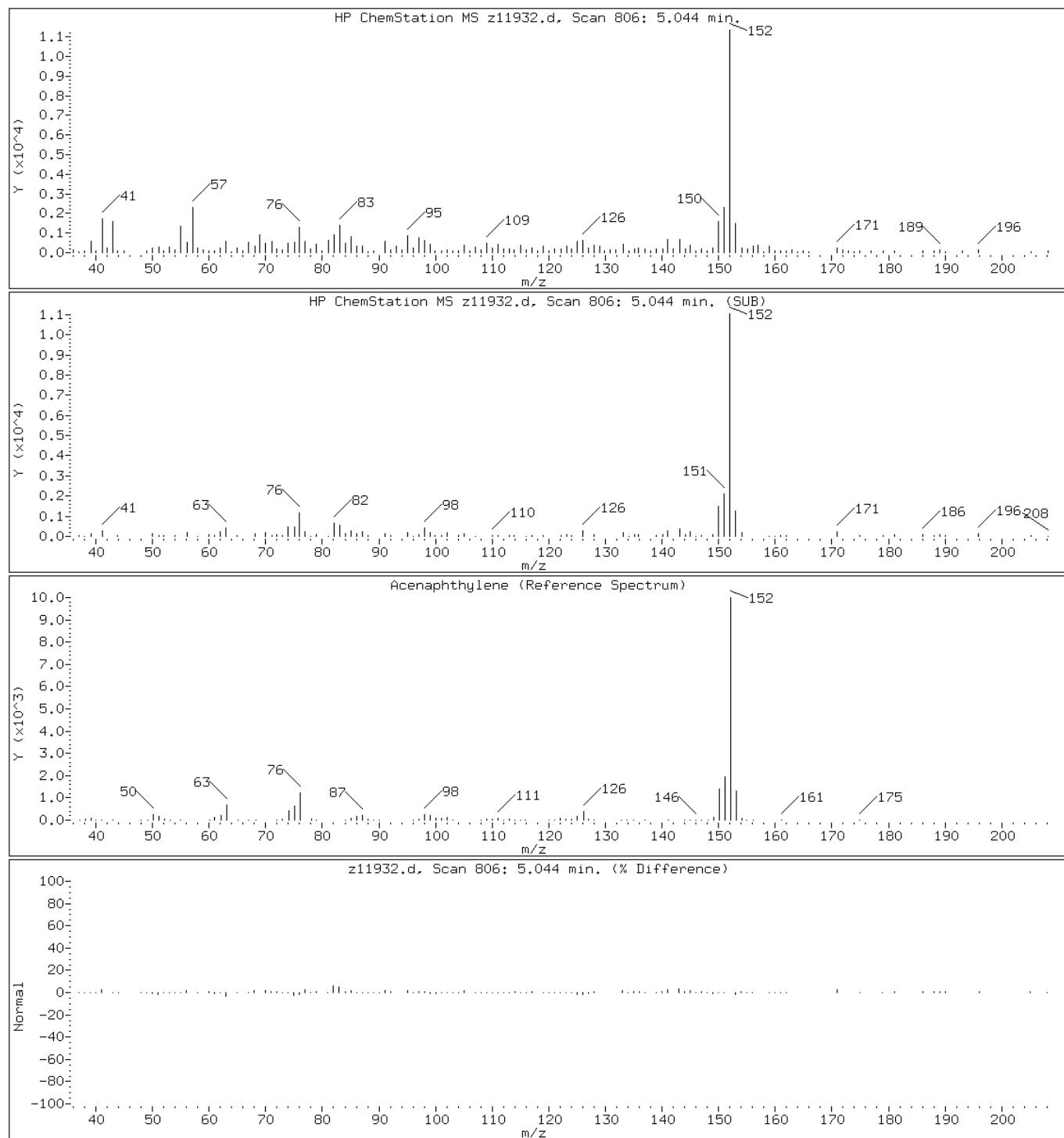
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

39 Acenaphthylene



Data File: z11932.d

Date: 15-AUG-2012 22:59

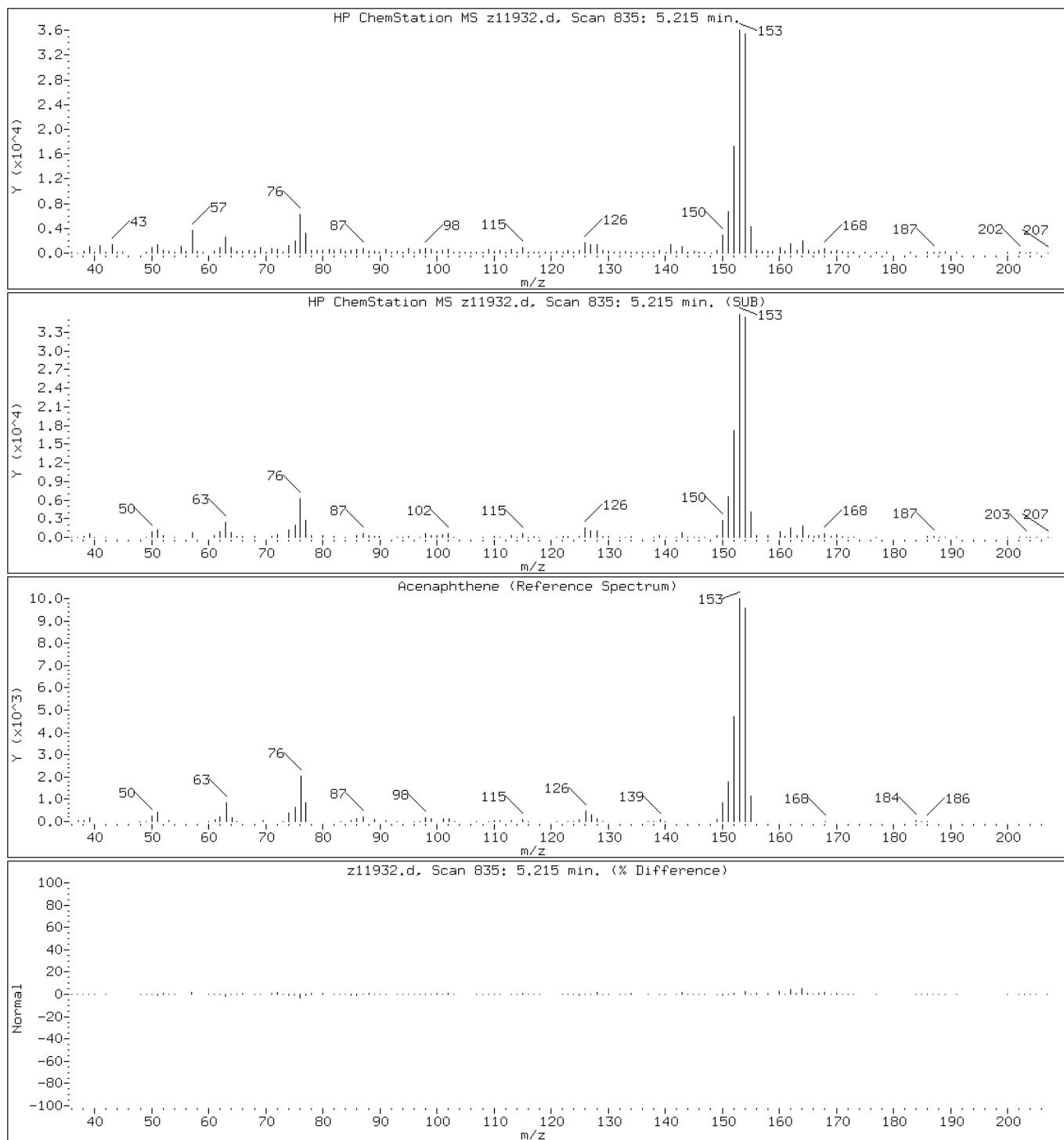
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

#### 42 Acenaphthene



Data File: z11932.d

Date: 15-AUG-2012 22:59

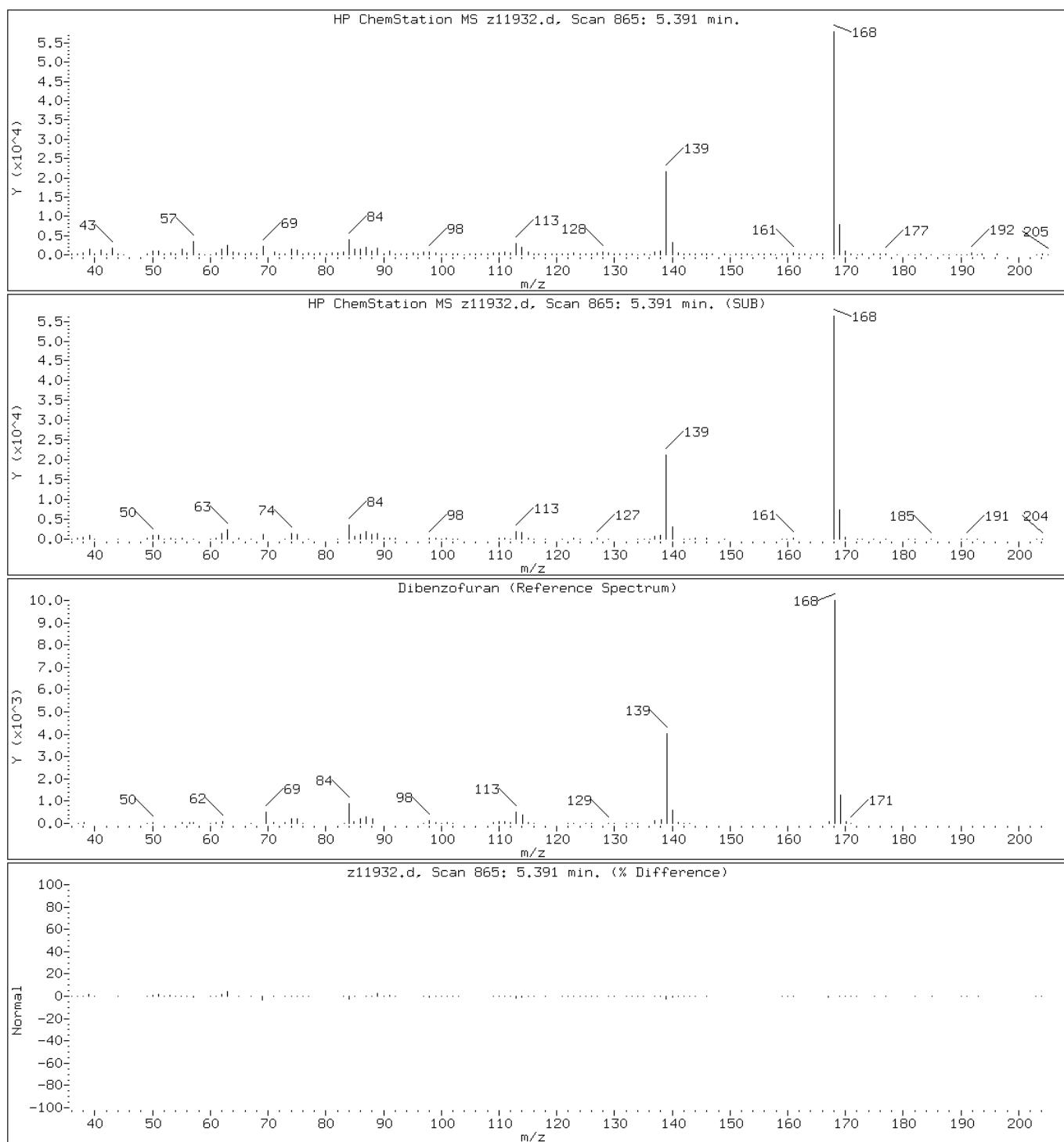
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

#### 43 Dibenzofuran



Data File: z11932.d

Date: 15-AUG-2012 22:59

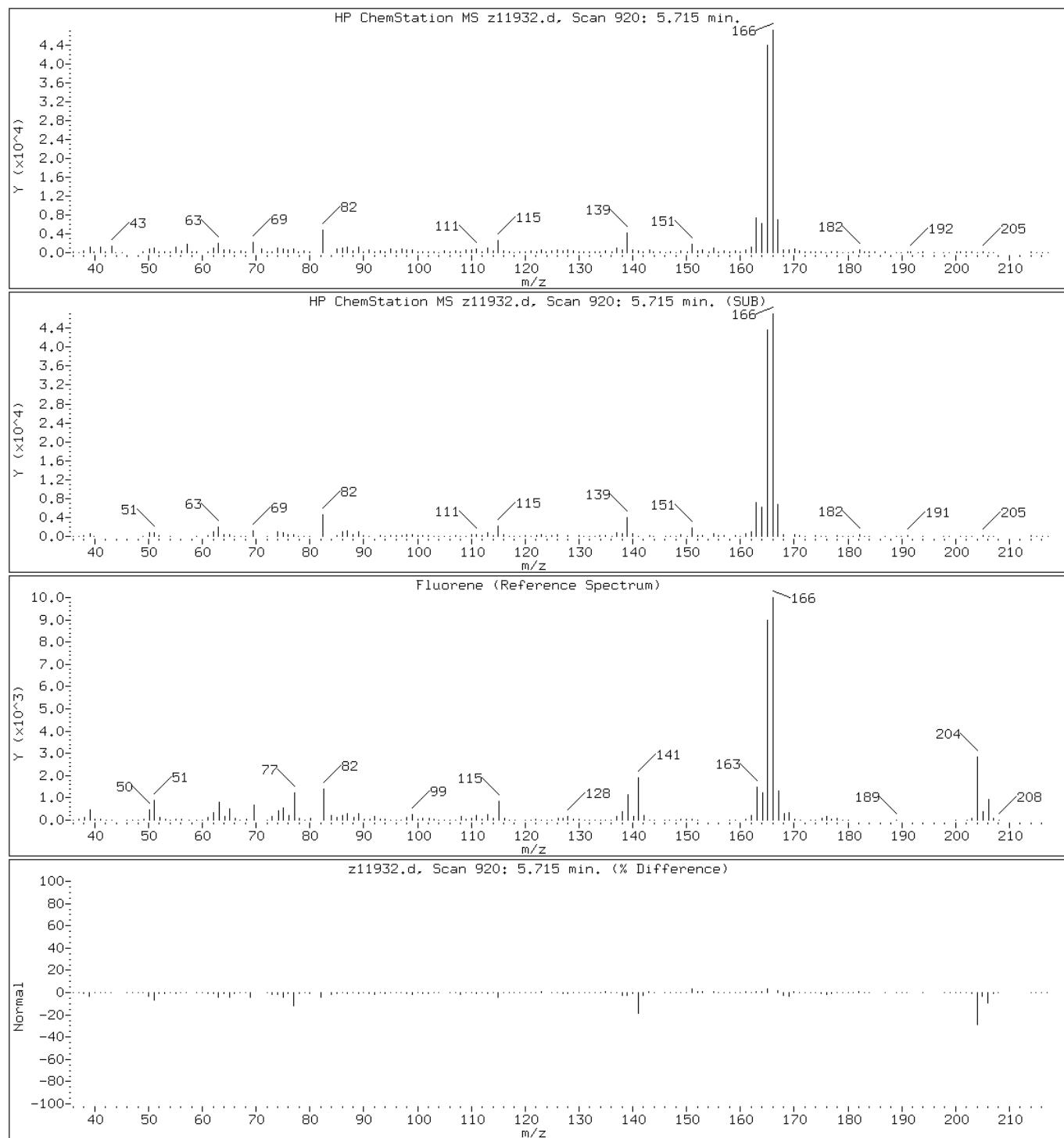
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

#### 47 Fluorene



Data File: z11932.d

Date: 15-AUG-2012 22:59

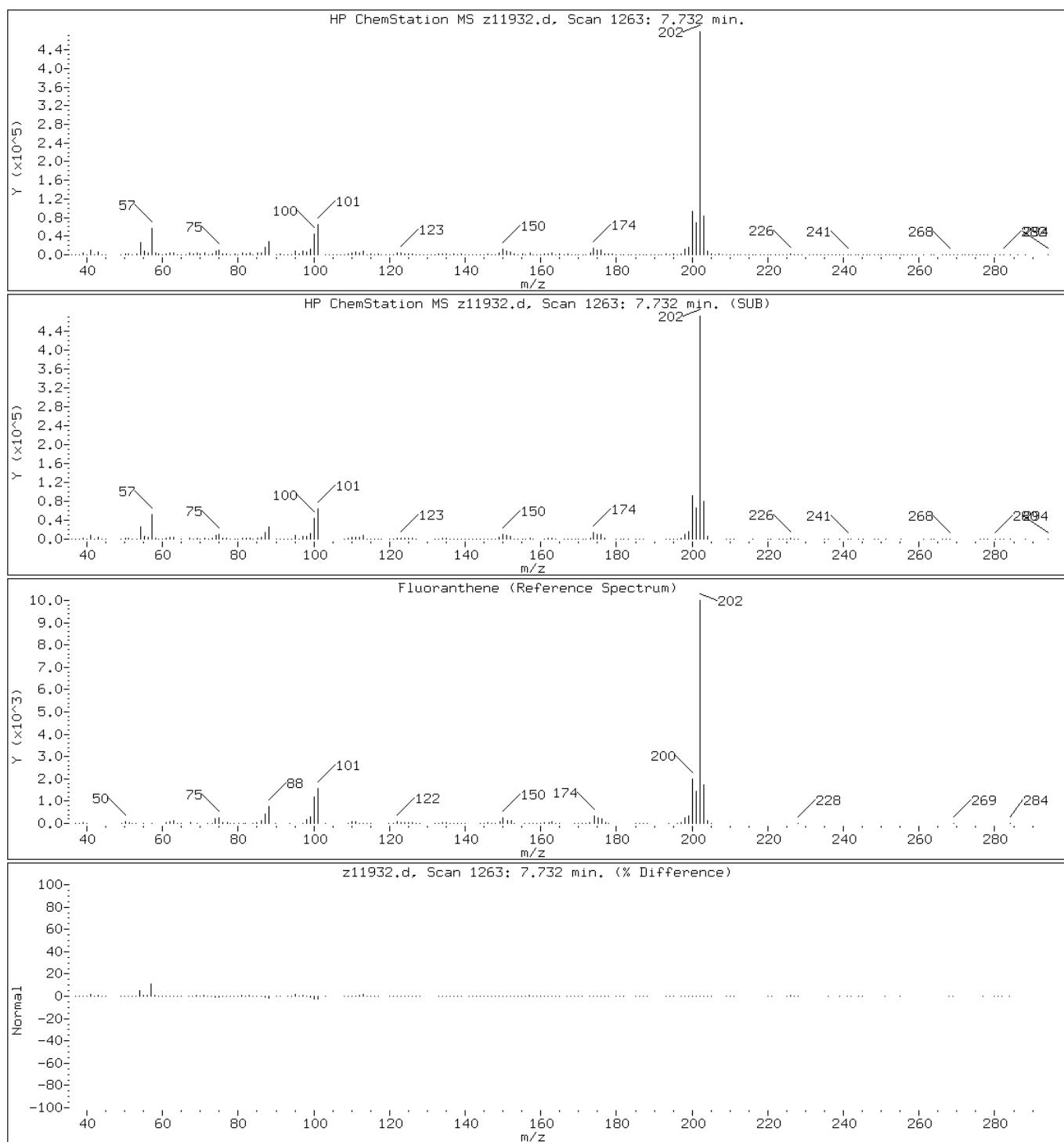
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

## 56 Fluoranthene



Data File: z11932.d

Date: 15-AUG-2012 22:59

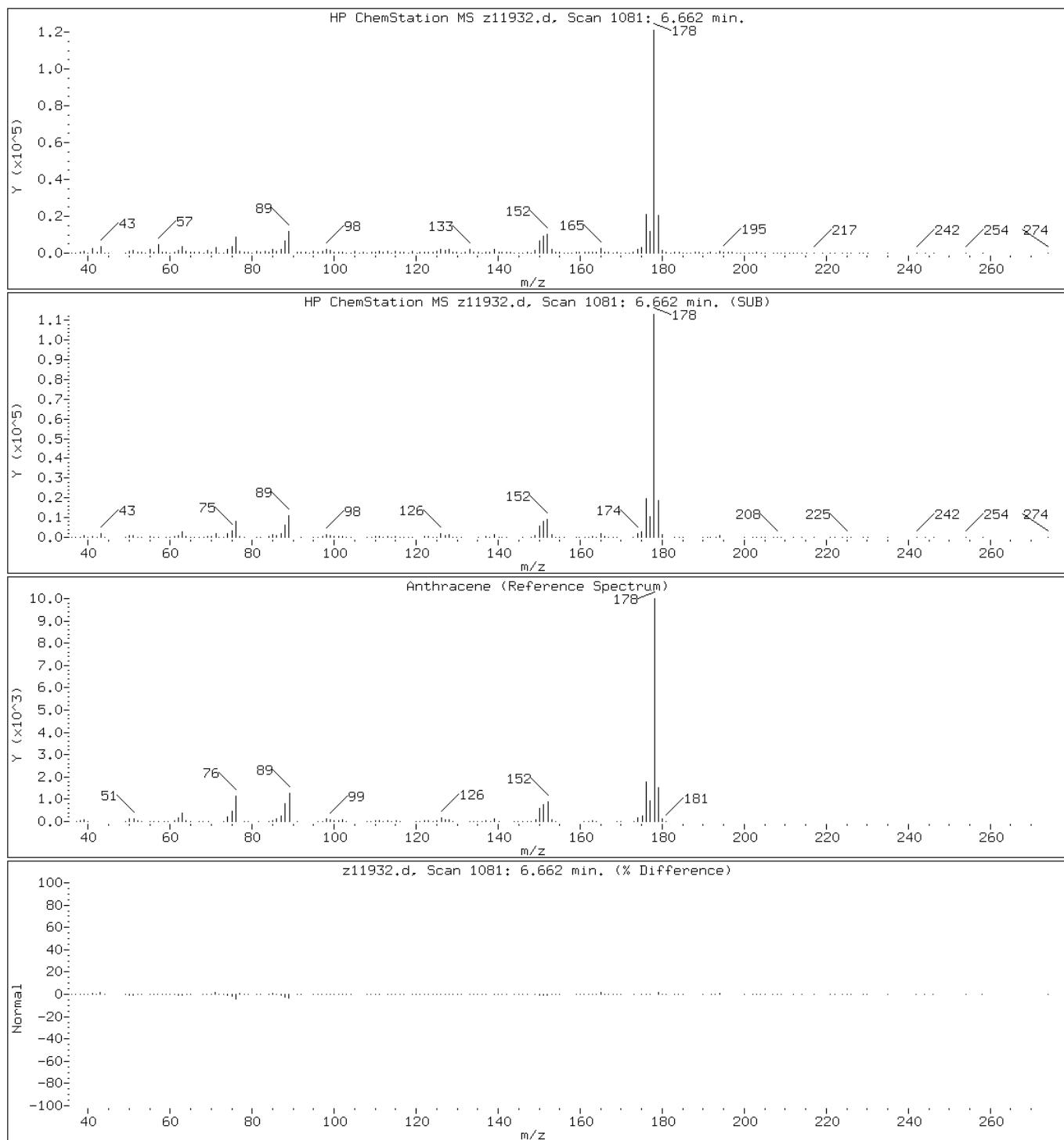
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

### 53 Anthracene



Data File: z11932.d

Date: 15-AUG-2012 22:59

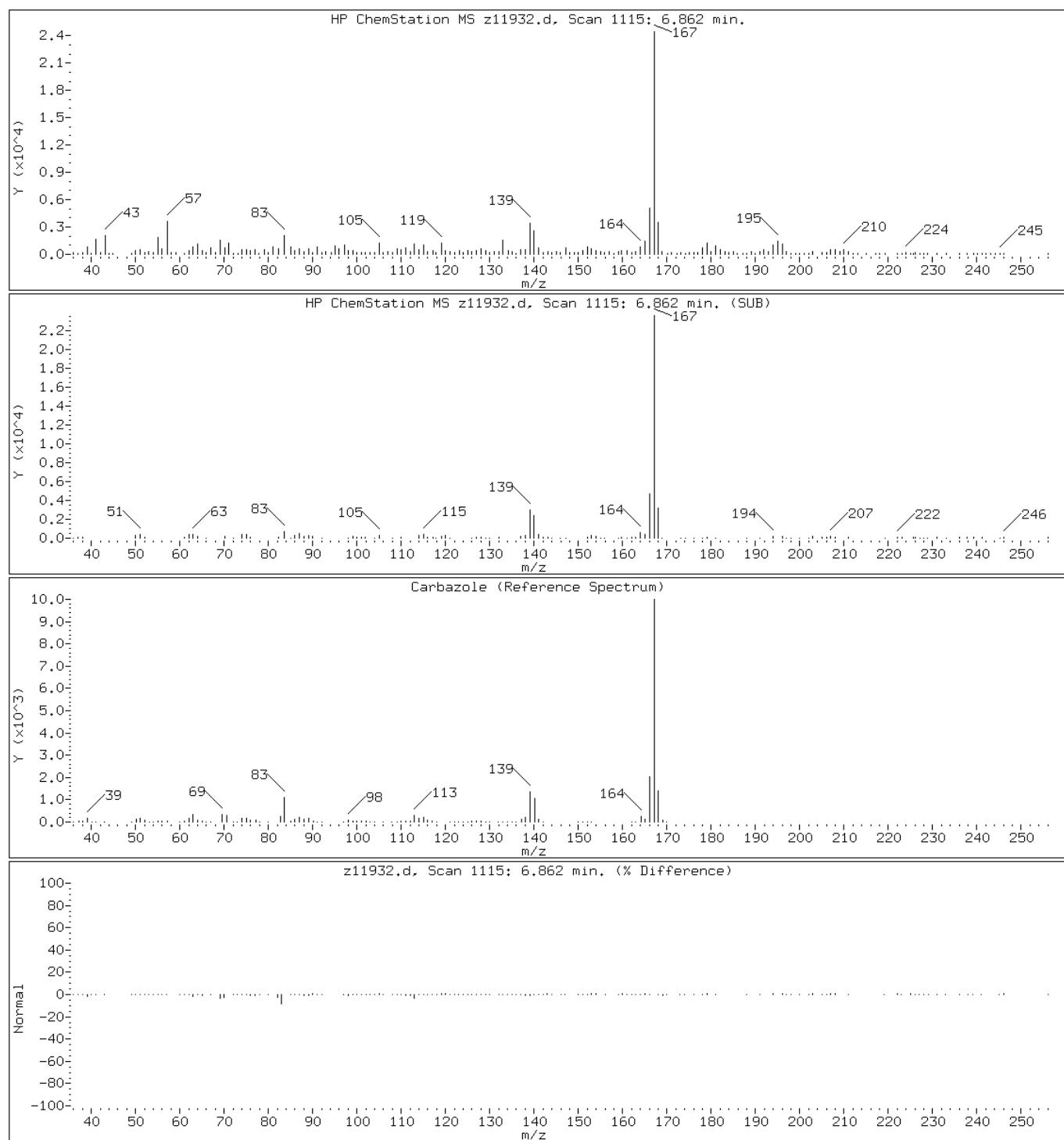
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

#### 54 Carbazole



Data File: z11932.d

Date: 15-AUG-2012 22:59

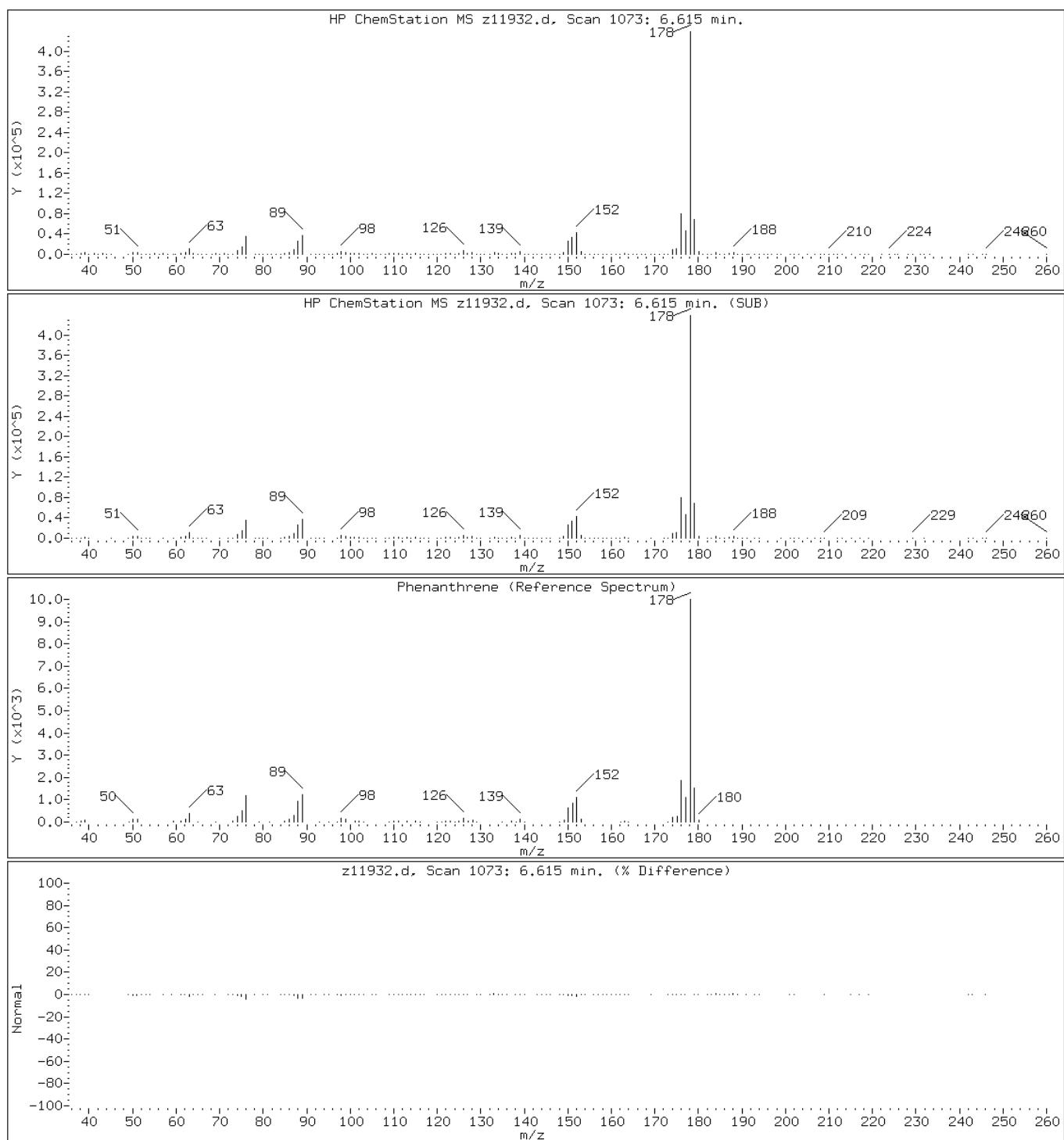
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

## 52 Phenanthrene



Data File: z11932.d

Date: 15-AUG-2012 22:59

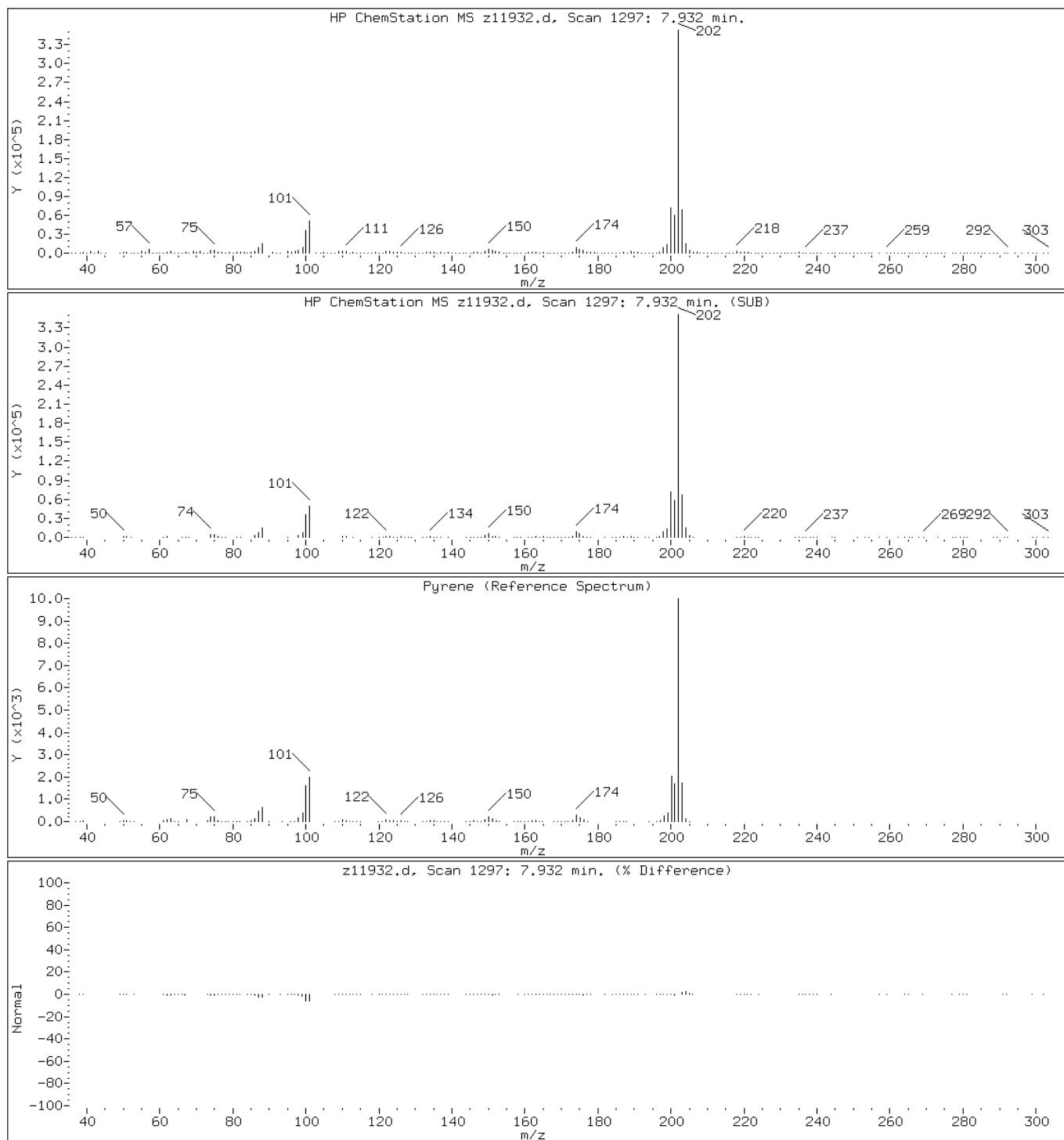
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

## 57 Pyrene



Data File: z11932.d

Date: 15-AUG-2012 22:59

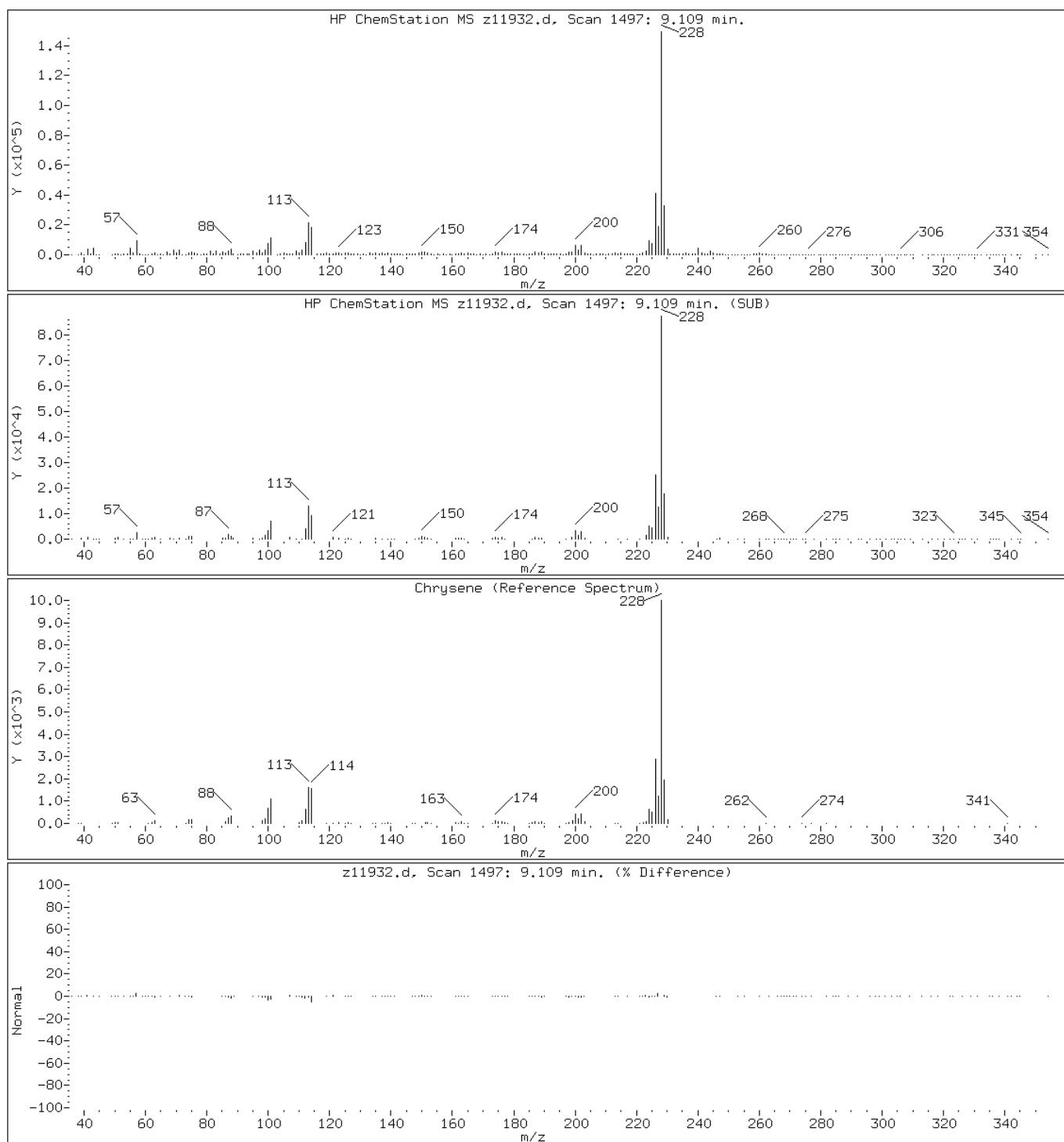
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

## 62 Chrysene



Data File: z11932.d

Date: 15-AUG-2012 22:59

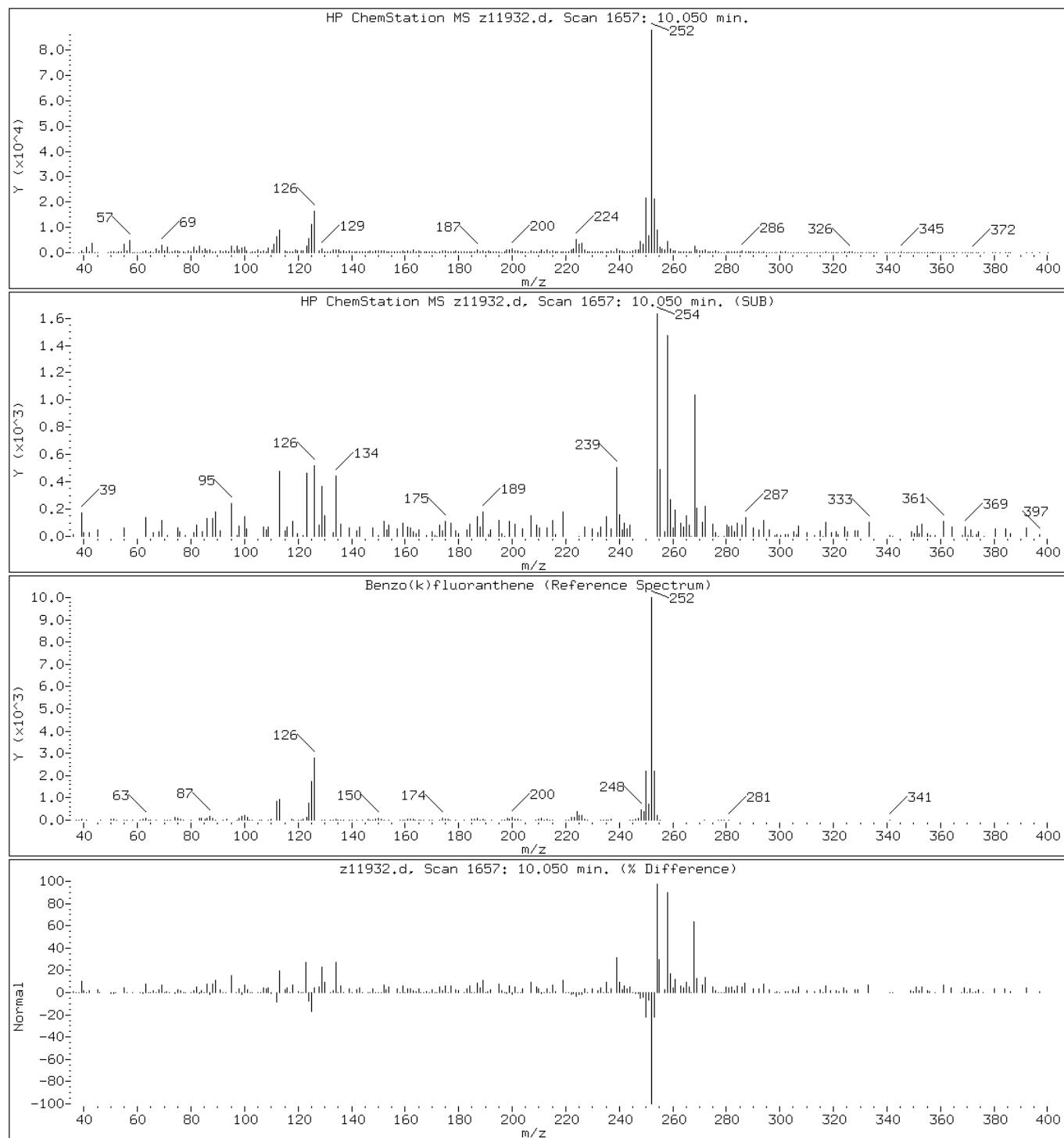
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

66 Benzo(k)fluoranthene



Data File: z11932.d

Date: 15-AUG-2012 22:59

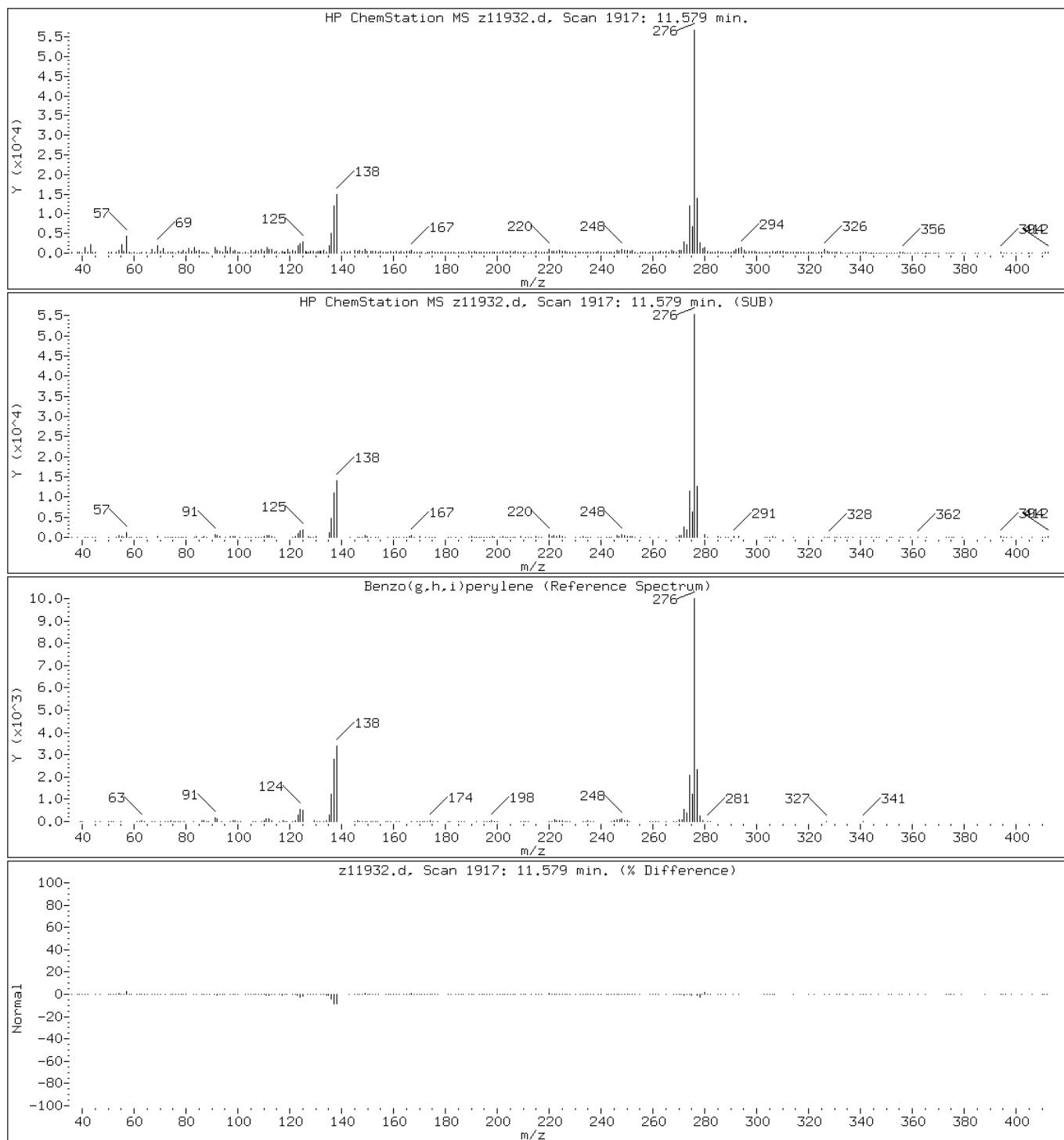
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

70 Benzo(g,h,i)perylene



Data File: z11932.d

Date: 15-AUG-2012 22:59

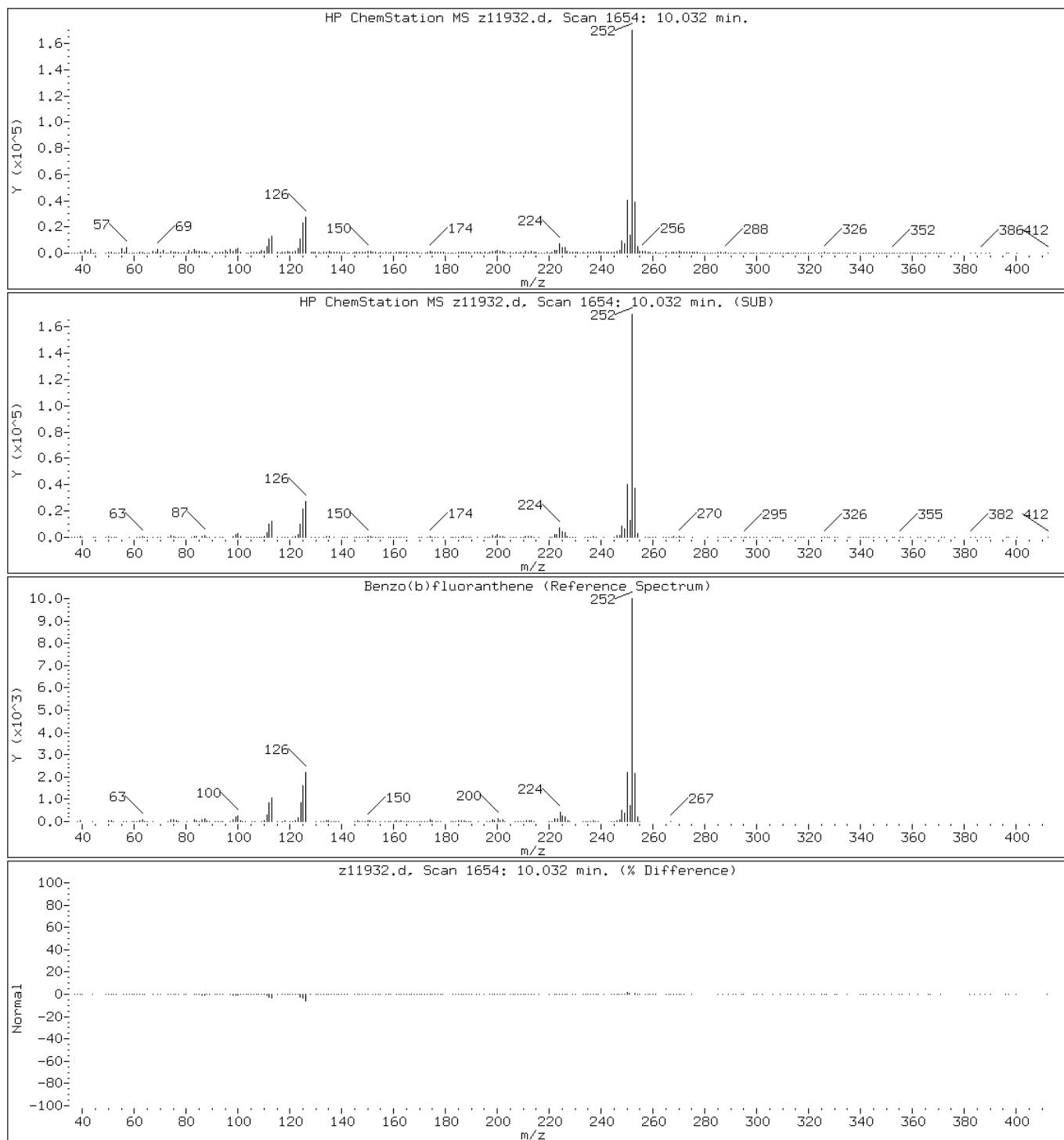
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

65 Benzo(b)fluoranthene



Data File: z11932.d

Date: 15-AUG-2012 22:59

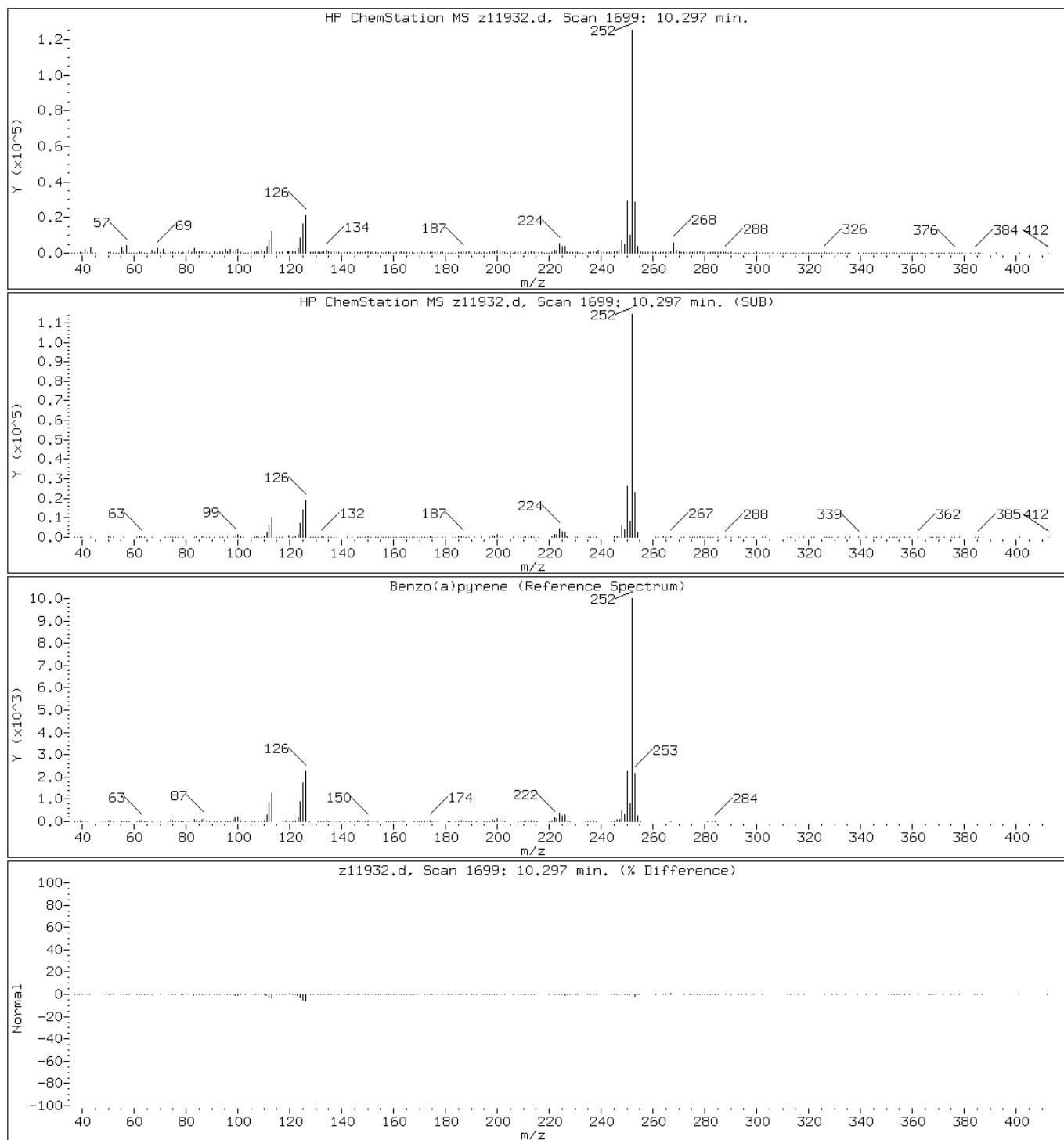
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

67 Benzo(a)pyrene



Data File: z11932.d

Date: 15-AUG-2012 22:59

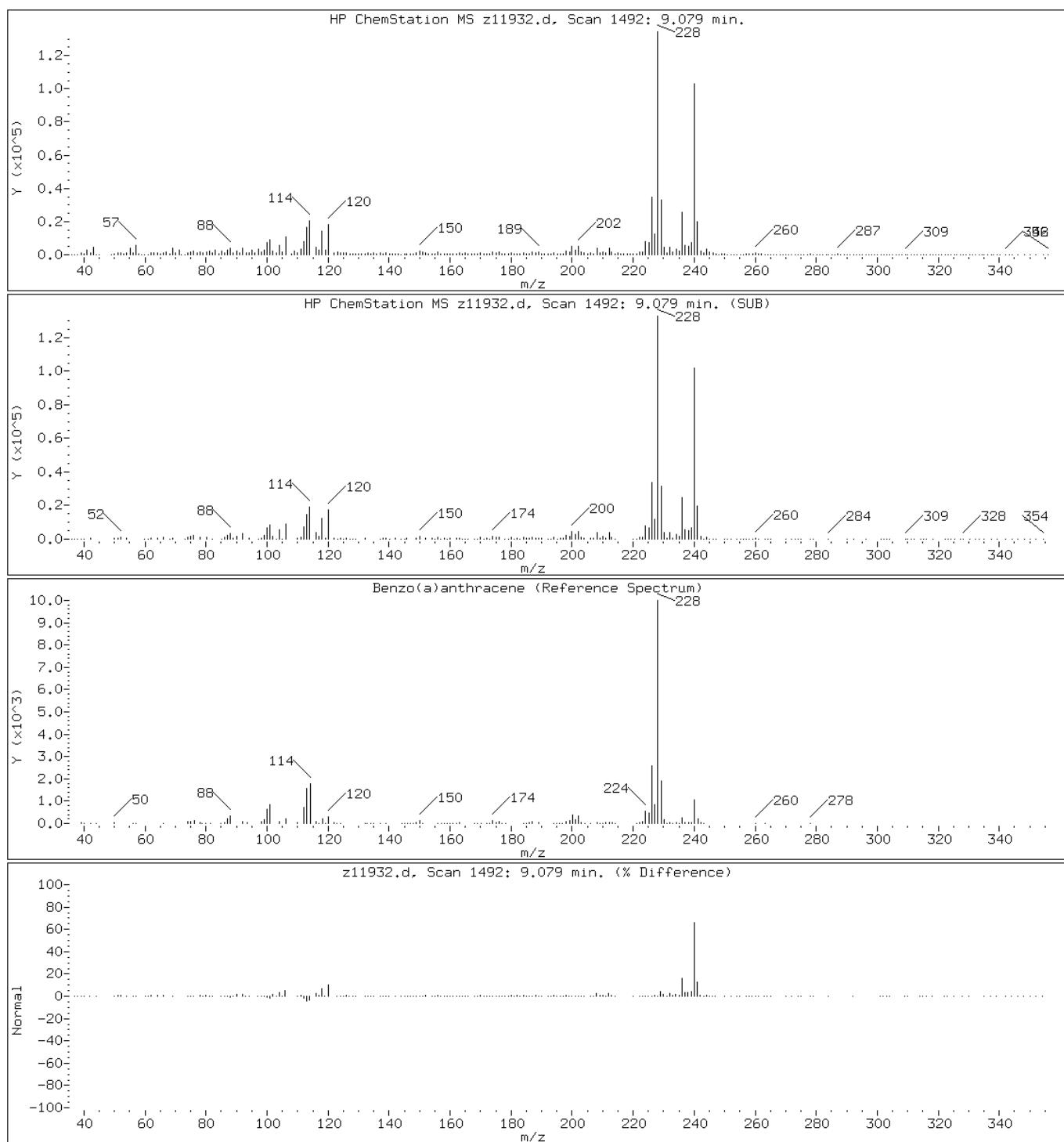
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

61 Benzo(a)anthracene



Data File: z11932.d

Date: 15-AUG-2012 22:59

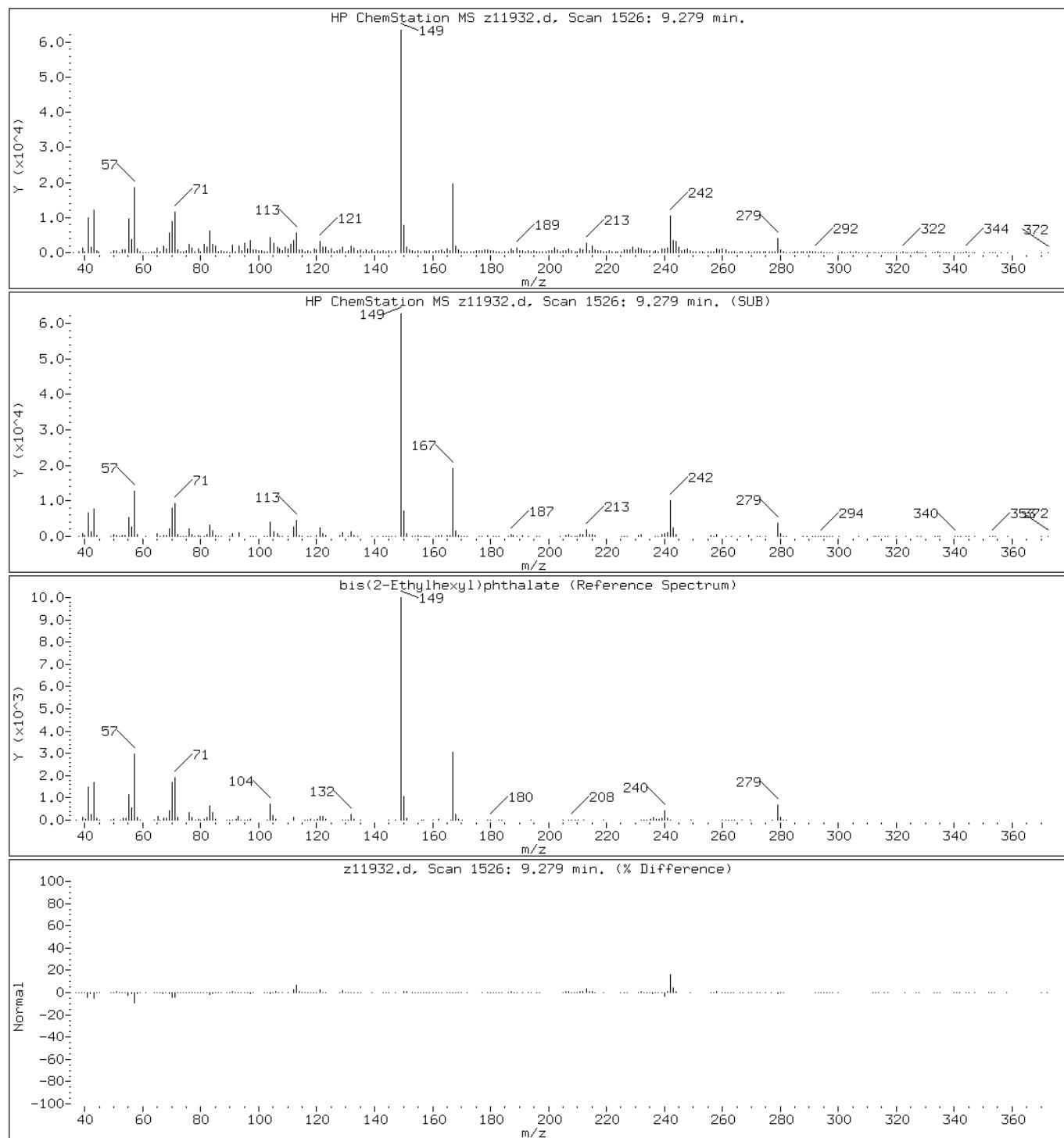
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

63 bis(2-Ethylhexyl)phthalate



Data File: z11932.d

Date: 15-AUG-2012 22:59

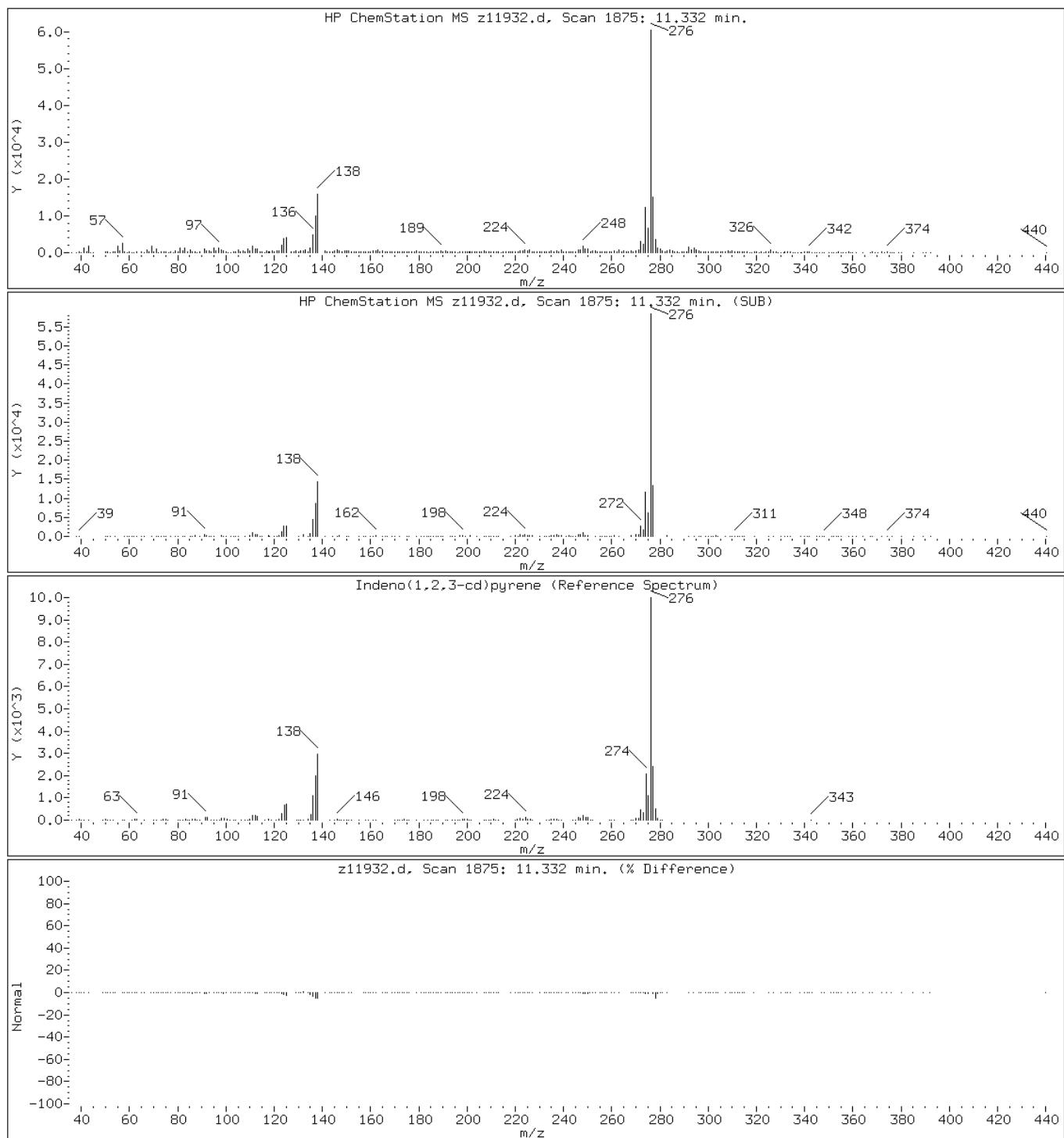
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

68 Indeno(1,2,3-cd)pyrene



Data File: z11932.d

Date: 15-AUG-2012 22:59

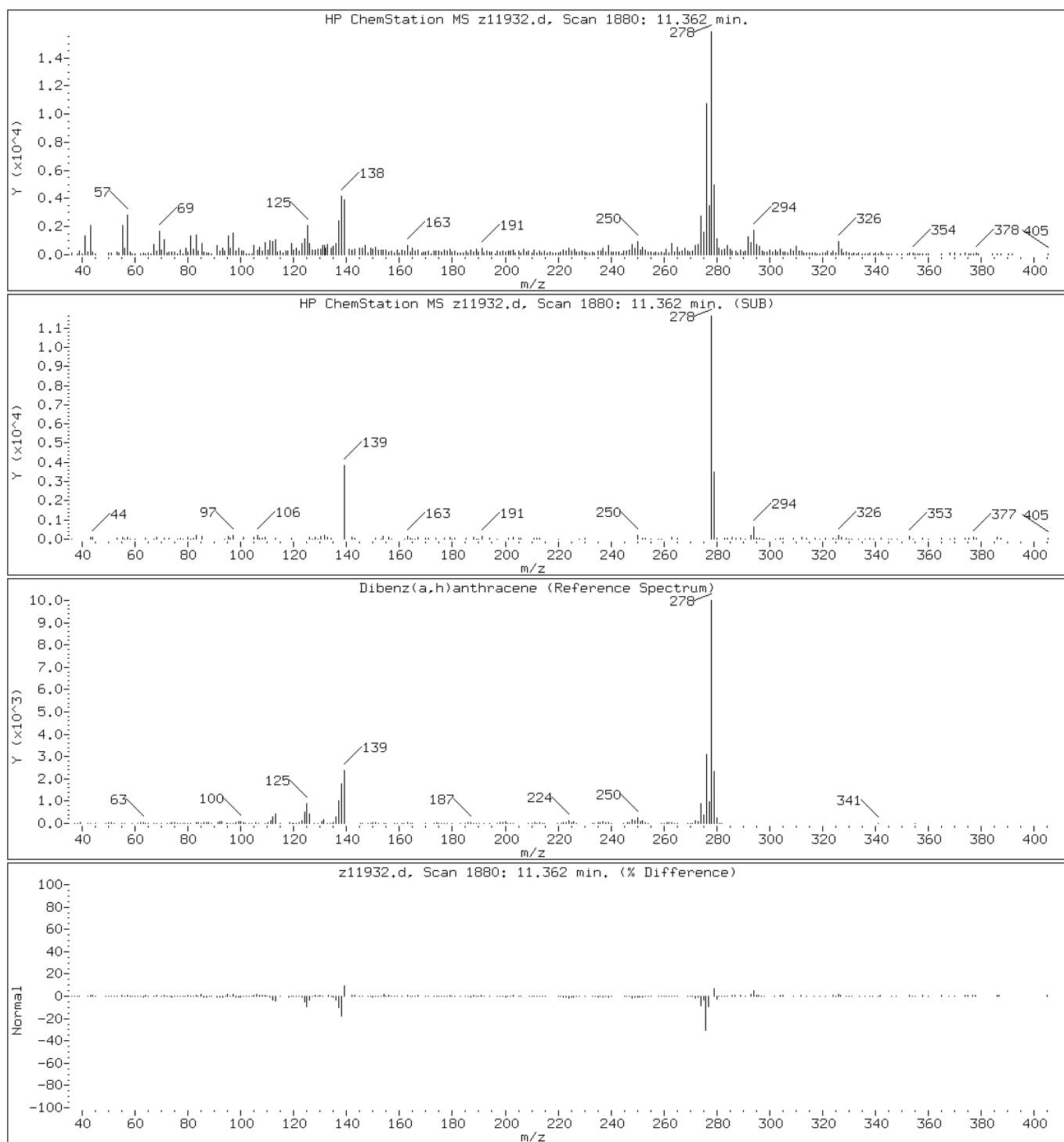
Client ID: 20120807SB-435V0-2N

Instrument: BNAMS11.i

Sample Info: 460-43235-E-4-D

Operator: BNAMS 4

69 Dibenz(a,h)anthracene

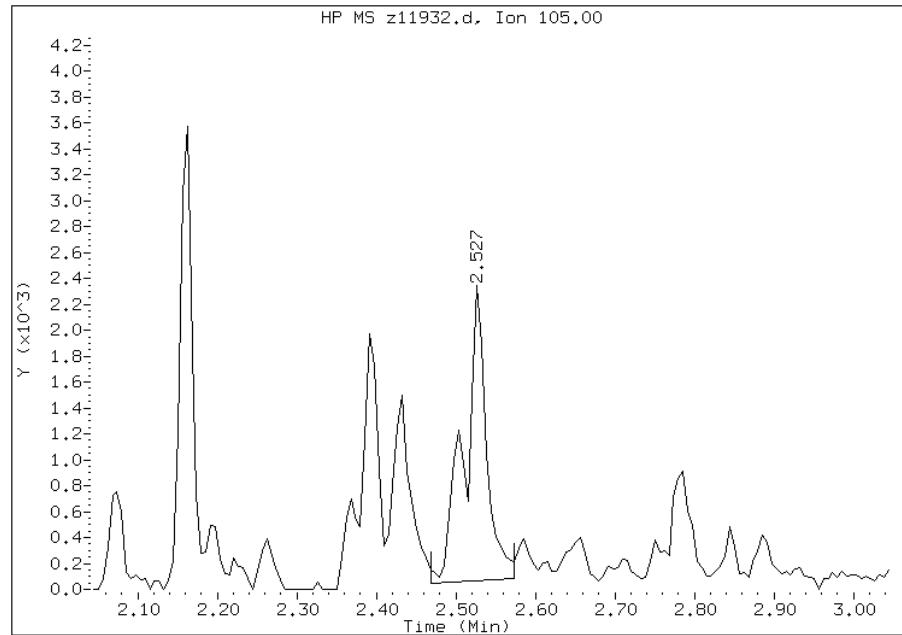


## Manual Integration Report

Data File: z11932.d  
Inj. Date and Time: 15-AUG-2012 22:59  
Instrument ID: BNAMS11.i  
Client ID: 20120807SB-435V0-2N  
Compound: 104 Acetophenone  
CAS #: 98-86-2  
Report Date: 08/17/2012

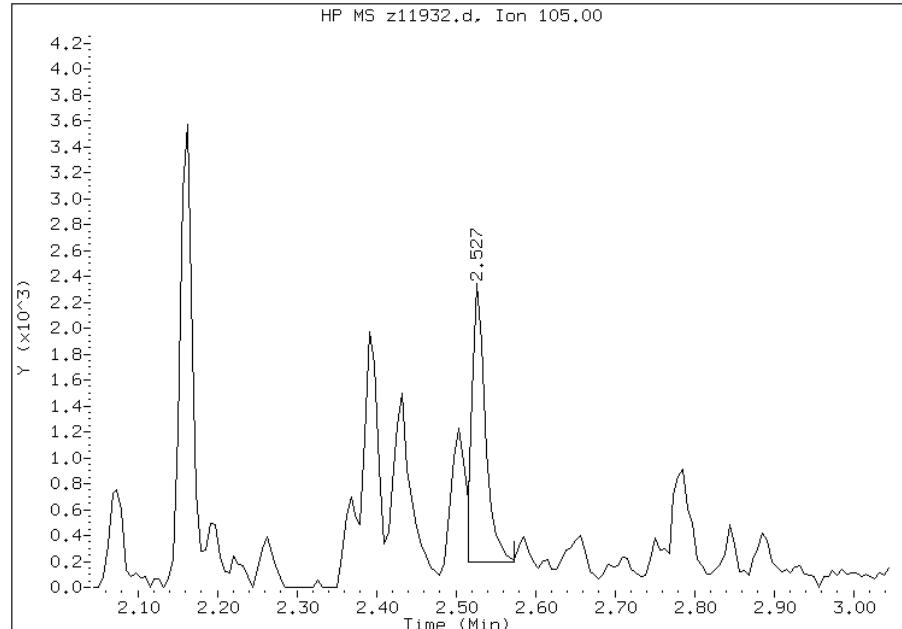
### Processing Integration Results

RT: 2.53  
Response: 4447  
Amount: 0  
Conc: 29



### Manual Integration Results

RT: 2.53  
Response: 2592  
Amount: 0  
Conc: 17



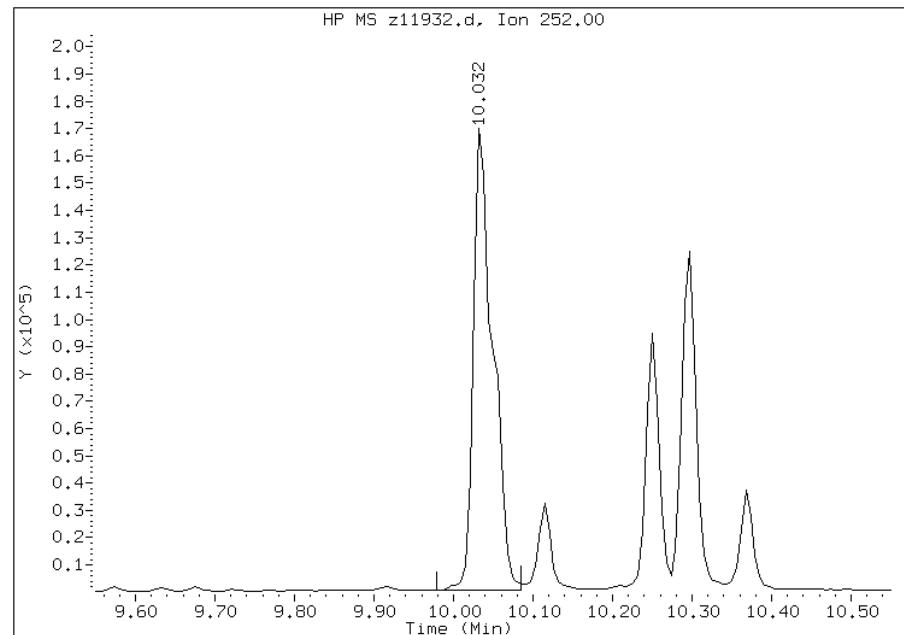
Manually Integrated By: wahied  
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

## Manual Integration Report

Data File: z11932.d  
Inj. Date and Time: 15-AUG-2012 22:59  
Instrument ID: BNAMS11.i  
Client ID: 20120807SB-435V0-2N  
Compound: 66 Benzo(k)fluoranthene  
CAS #: 207-08-9  
Report Date: 08/17/2012

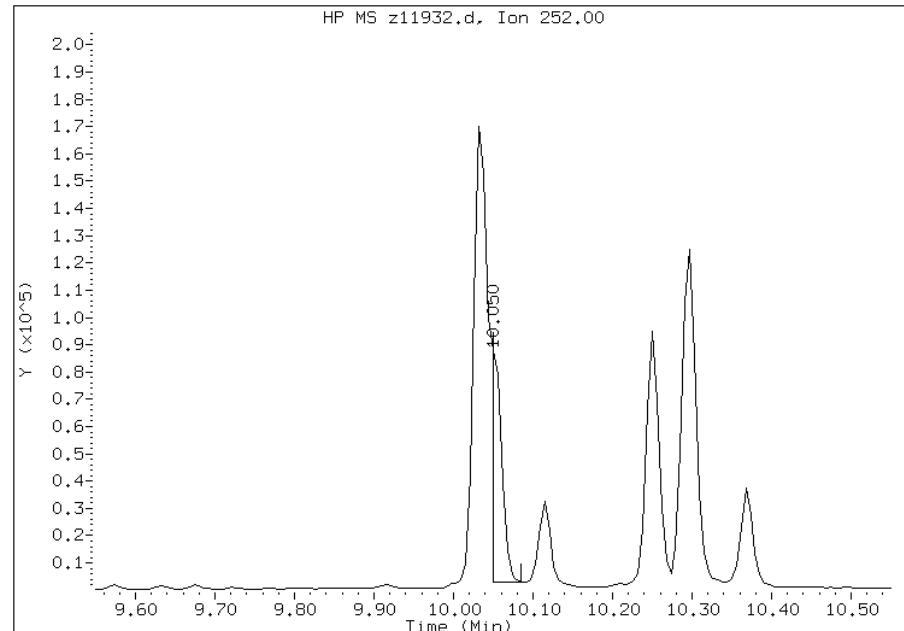
### Processing Integration Results

RT: 10.03  
Response: 286389  
Amount: 29  
Conc: 2379



### Manual Integration Results

RT: 10.05  
Response: 75296  
Amount: 8  
Conc: 625



Manually Integrated By: wahied

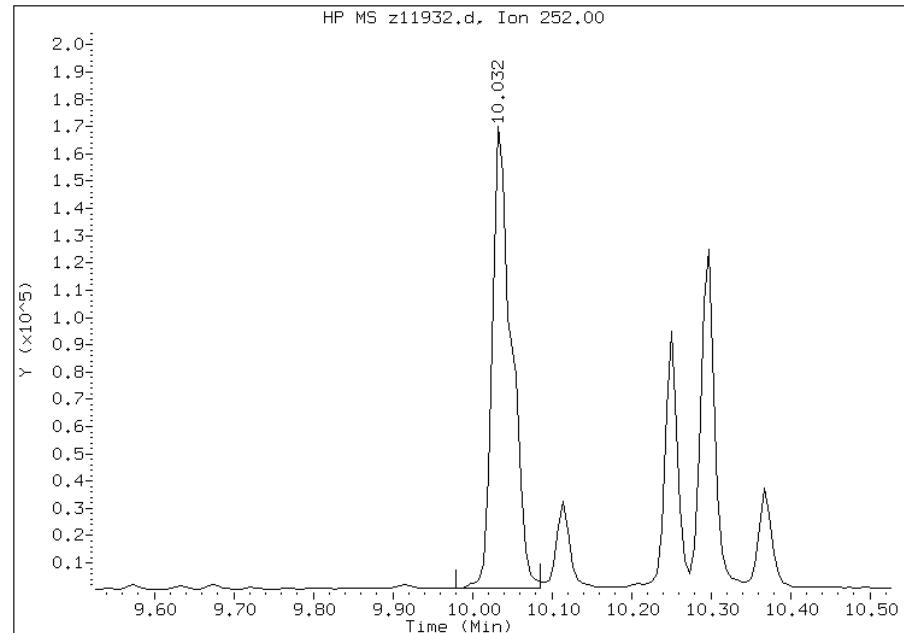
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

## Manual Integration Report

Data File: z11932.d  
Inj. Date and Time: 15-AUG-2012 22:59  
Instrument ID: BNAMS11.i  
Client ID: 20120807SB-435V0-2N  
Compound: 65 Benzo(b)fluoranthene  
CAS #: 205-99-2  
Report Date: 08/17/2012

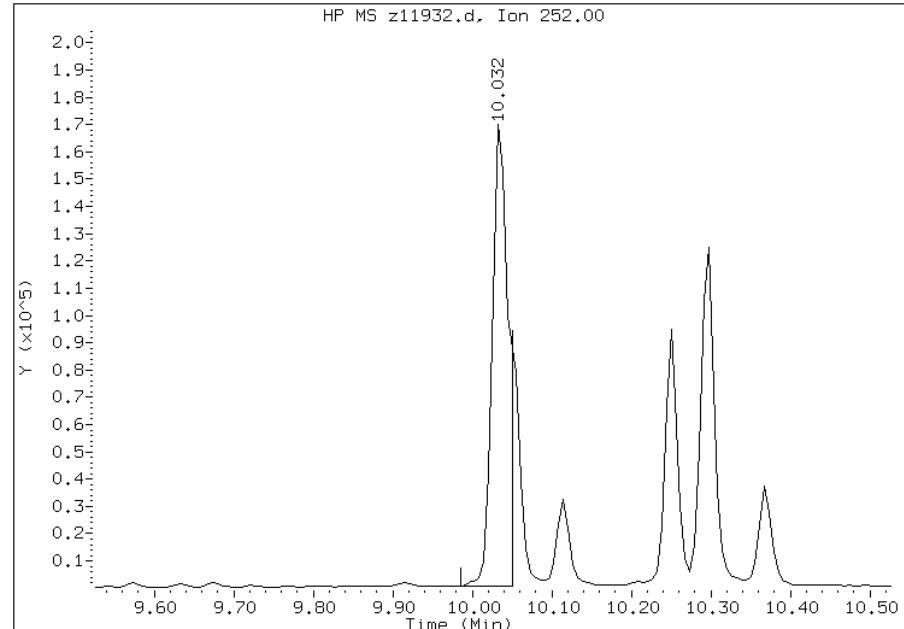
### Processing Integration Results

RT: 10.03  
Response: 286389  
Amount: 34  
Conc: 2783



### Manual Integration Results

RT: 10.03  
Response: 236584  
Amount: 28  
Conc: 2299



Manually Integrated By: wahied

Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807EB

Lab Sample ID: 460-43235-5

Matrix: Water

Lab File ID: x29285.d

Analysis Method: 8270C

Date Collected: 08/07/2012 12:15

Extract. Method: 3510C

Date Extracted: 08/09/2012 13:03

Sample wt/vol: 960 (mL)

Date Analyzed: 08/14/2012 16:41

Con. Extract Vol.: 2 (mL)

Dilution Factor: 1

Injection Volume: 1 (uL)

Level: (low/med) Low

% Moisture: \_\_\_\_\_

GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	0.84	U	10	0.84
95-57-8	2-Chlorophenol	2.3	U	10	2.3
95-48-7	2-Methylphenol	1.9	U	10	1.9
106-44-5	4-Methylphenol	1.7	U	10	1.7
100-52-7	Benzaldehyde	2.1	U	10	2.1
98-86-2	Acetophenone	2.8	U	10	2.8
111-44-4	Bis(2-chloroethyl)ether	0.29	U	1.0	0.29
108-60-1	2,2'-oxybis[1-chloropropane]	2.1	U	10	2.1
621-64-7	N-Nitrosodi-n-propylamine	0.26	U	1.0	0.26
98-95-3	Nitrobenzene	0.31	U	1.0	0.31
67-72-1	Hexachloroethane	0.26	U	1.0	0.26
78-59-1	Isophorone	2.8	U	10	2.8
88-75-5	2-Nitrophenol	2.5	U	10	2.5
105-67-9	2,4-Dimethylphenol	3.5	U	10	3.5
120-83-2	2,4-Dichlorophenol	2.7	U	10	2.7
111-91-1	Bis(2-chloroethoxy)methane	2.7	U	10	2.7
91-20-3	Naphthalene	2.8	U	10	2.8
106-47-8	4-Chloroaniline	2.1	U	10	2.1
87-68-3	Hexachlorobutadiene	0.59	U	2.1	0.59
105-60-2	Caprolactam	2.6	U	10	2.6
59-50-7	4-Chloro-3-methylphenol	2.6	U	10	2.6
91-57-6	2-Methylnaphthalene	3.1	U	10	3.1
118-74-1	Hexachlorobenzene	0.30	U	1.0	0.30
77-47-4	Hexachlorocyclopentadiene	1.8	U	10	1.8
88-06-2	2,4,6-Trichlorophenol	2.5	U	10	2.5
95-95-4	2,4,5-Trichlorophenol	2.7	U	10	2.7
92-52-4	Diphenyl	2.9	U	10	2.9
91-58-7	2-Chloronaphthalene	2.8	U	10	2.8
88-74-4	2-Nitroaniline	5.1	U	21	5.1
606-20-2	2,6-Dinitrotoluene	0.64	U	2.1	0.64
131-11-3	Dimethyl phthalate	2.9	U	10	2.9
208-96-8	Acenaphthylene	2.8	U	10	2.8
99-09-2	3-Nitroaniline	5.2	U	21	5.2
83-32-9	Acenaphthene	2.8	U	10	2.8

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807EB

Lab Sample ID: 460-43235-5

Matrix: Water

Lab File ID: x29285.d

Analysis Method: 8270C

Date Collected: 08/07/2012 12:15

Extract. Method: 3510C

Date Extracted: 08/09/2012 13:03

Sample wt/vol: 960 (mL)

Date Analyzed: 08/14/2012 16:41

Con. Extract Vol.: 2 (mL)

Dilution Factor: 1

Injection Volume: 1 (uL)

Level: (low/med) Low

% Moisture: \_\_\_\_\_

GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	7.0	U	31	7.0
51-28-5	2,4-Dinitrophenol	5.6	U	31	5.6
132-64-9	Dibenzofuran	2.9	U	10	2.9
84-66-2	Diethyl phthalate	3.0	U	10	3.0
86-73-7	Fluorene	2.9	U	10	2.9
206-44-0	Fluoranthene	3.3	U	10	3.3
84-74-2	Di-n-butyl phthalate	3.0	U	10	3.0
121-14-2	2,4-Dinitrotoluene	0.49	U	2.1	0.49
7005-72-3	4-Chlorophenyl phenyl ether	2.6	U	10	2.6
100-01-6	4-Nitroaniline	6.0	U	21	6.0
534-52-1	4,6-Dinitro-2-methylphenol	4.9	U	31	4.9
101-55-3	4-Bromophenyl phenyl ether	2.6	U	10	2.6
1912-24-9	Atrazine	3.1	U	10	3.1
120-12-7	Anthracene	2.9	U	10	2.9
86-74-8	Carbazole	3.3	U	10	3.3
85-01-8	Phenanthrene	3.2	U	10	3.2
87-86-5	Pentachlorophenol	5.5	U	31	5.5
129-00-0	Pyrene	3.0	U	10	3.0
218-01-9	Chrysene	3.2	U	10	3.2
207-08-9	Benzo[k]fluoranthene	0.27	U	1.0	0.27
191-24-2	Benzo[g,h,i]perylene	2.1	U	10	2.1
205-99-2	Benzo[b]fluoranthene	0.27	U	1.0	0.27
50-32-8	Benzo[a]pyrene	0.15	U	1.0	0.15
56-55-3	Benzo[a]anthracene	0.28	U	1.0	0.28
86-30-6	N-Nitrosodiphenylamine	3.0	U	10	3.0
85-68-7	Butyl benzyl phthalate	2.6	U	10	2.6
117-81-7	Bis(2-ethylhexyl) phthalate	2.1	U	10	2.1
117-84-0	Di-n-octyl phthalate	1.6	U	10	1.6
193-39-5	Indeno[1,2,3-cd]pyrene	0.16	U	1.0	0.16
53-70-3	Dibenz(a,h)anthracene	0.094	U	1.0	0.094
91-94-1	3,3'-Dichlorobenzidine	5.1	U	21	5.1
95-94-3	1,2,4,5-Tetrachlorobenzene	2.7	U	10	2.7
58-90-2	2,3,4,6-Tetrachlorophenol	2.6	U	10	2.6

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807EB</u>	Lab Sample ID: <u>460-43235-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>x29285.d</u>
Analysis Method: <u>8270C</u>	Date Collected: <u>08/07/2012 12:15</u>
Extract. Method: <u>3510C</u>	Date Extracted: <u>08/09/2012 13:03</u>
Sample wt/vol: <u>960 (mL)</u>	Date Analyzed: <u>08/14/2012 16:41</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture:	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124292</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	91		56-112
4165-62-2	Phenol-d5	28		10-48
1718-51-0	Terphenyl-d14	103		50-122
118-79-6	2,4,6-Tribromophenol	104		46-122
367-12-4	2-Fluorophenol	43		10-65
321-60-8	2-Fluorobiphenyl	88		53-108

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29285.d  
Report Date: 15-Aug-2012 09:28

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29285.d  
Lab Smp Id: 460-43235-D-5-A  
Inj Date : 14-AUG-2012 16:41  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : 460-43235-D-5-A  
Misc Info : 460-43235-D-5-A  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/8270C\_11.m  
Meth Date : 14-Aug-2012 14:36 croccom Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 8  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-h20.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	960.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 16 2-Fluorophenol (SUR)	112	2.276	2.276 (0.650)		478184	21.6451	45
\$ 17 Phenol-d5 (SUR)	99	3.164	3.188 (0.904)		373606	14.1034	29
* 79 1,4-Dichlorobenzene-d4	152	3.500	3.499 (1.000)		677694	40.0000	
104 Acetophenone	105	3.923	3.941 (1.121)		3438	0.11886	0.25(aH)
\$ 76 Nitrobenzene-d5 (SUR)	82	4.076	4.082 (0.850)		1151919	45.6651	95
* 80 Naphthalene-d8	136	4.794	4.799 (1.000)		2403496	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.893	5.899 (0.901)		2023729	44.2390	92
* 82 Acenaphthene-d10	164	6.540	6.540 (1.000)		1244299	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.311	7.317 (1.118)		335811	51.8615	110
* 83 Phenanthrene-d10	188	7.982	7.981 (1.000)		1690125	40.0000	
\$ 78 Terphenyl-d14	244	9.552	9.552 (0.904)		1390383	51.7186	110
* 81 Chrysene-d12	240	10.570	10.570 (1.000)		865741	40.0000	
* 84 Perylene-d12	264	12.234	12.234 (1.000)		597276	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29285.d  
Report Date: 15-Aug-2012 09:28

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- H - Operator selected an alternate compound hit.

Data File: x29285.d

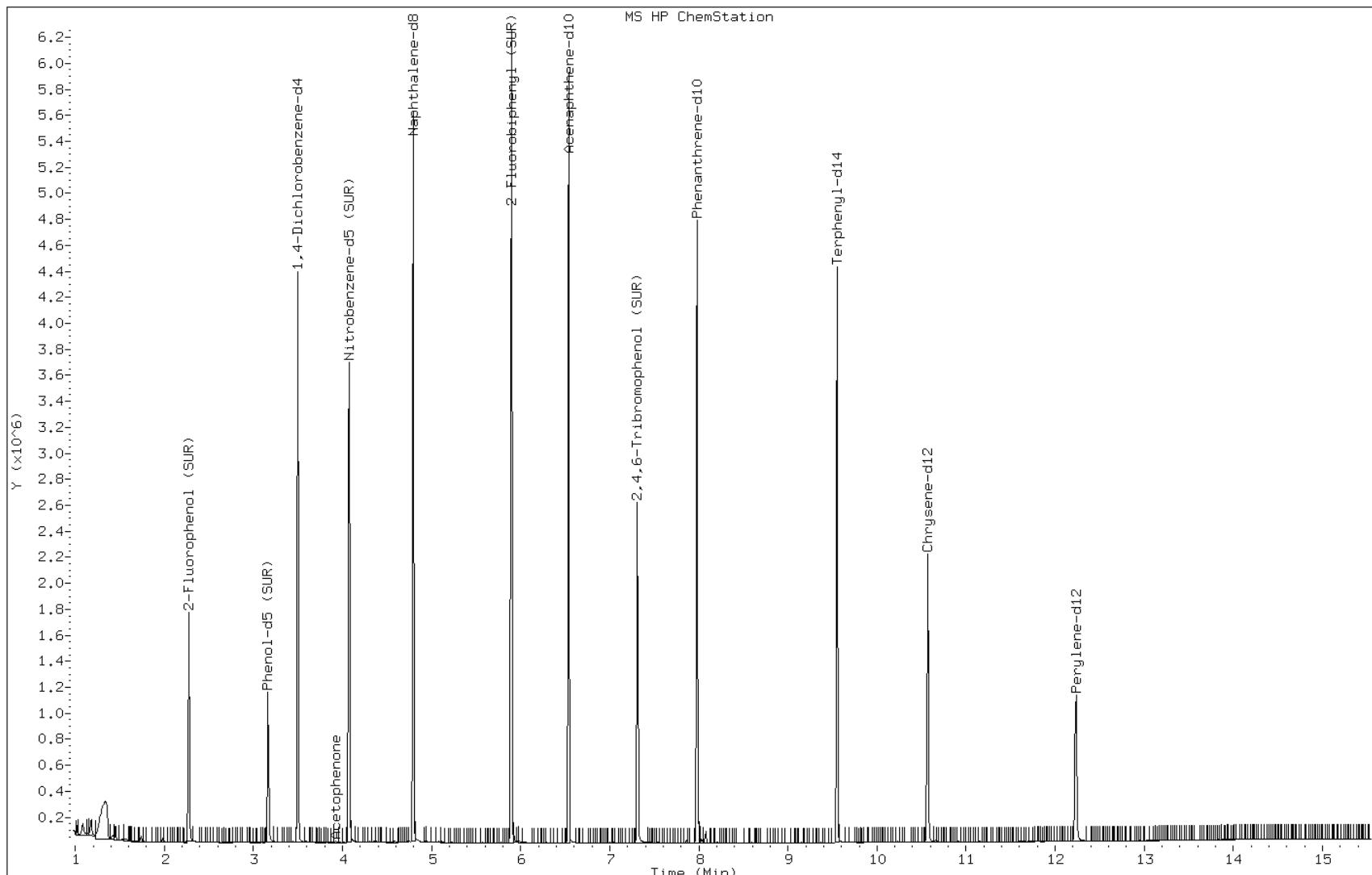
Date: 14-AUG-2012 16:41

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-43235-D-5-A

Operator: BNAMS 4



FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122963/7	z11529.d
Level 2	IC 460-122963/6	z11528.d
Level 3	IC 460-122963/5	z11527.d
Level 4	ICIS 460-122963/2	z11524.d
Level 5	IC 460-122963/4	z11526.d
Level 6	IC 460-122963/3	z11525.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.3111 0.3864	0.2092	0.2265	0.2494	0.2859	QuaF		4.4504	-1.609						0.9994		0.9900
N-Nitrosodimethylamine	0.5899 0.7003	0.6665	0.6338	0.6240	0.6604	Ave		0.6458						5.9	15.0		
Pyridine	1.2303 1.2114	1.1246	1.0917	1.0740	1.1499	Ave		1.1470						5.5	15.0		
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0.1708	+++++	Ave		0.1708							15.0		
Benzaldehyde	0.8061 +++++	0.6057	0.5207	0.3874	0.1378	Ave		0.4915						50.7	*	15.0	
Aniline	2.0348 1.4120	1.9092	1.8352	1.8395	1.7278	Ave		1.7931						11.8	15.0		
Phenol	1.7042 1.6376	1.7141	1.7752	1.6318	1.5402	Ave		1.6672						4.9	30.0		
Bis(2-chloroethyl)ether	2.0001 1.6023	1.3961	1.3708	1.3732	1.2779	QuaF		0.8576	-0.048						0.9965		0.9900
2-Chlorophenol	1.5693 1.4392	1.5350	1.5927	1.5098	1.3893	Ave		1.5059						5.2	15.0		
Decane	1.3735 1.0959	1.2677	1.3031	1.2288	1.1151	Ave		1.2307						8.8	15.0		
1,3-Dichlorobenzene	1.6677 1.5317	1.6454	1.5629	1.5771	1.5274	Ave		1.5854						3.7	15.0		
1,4-Dichlorobenzene	1.6931 1.5427	1.6665	1.6093	1.6054	1.5394	Ave		1.6094						3.9	30.0		

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.5979 1.4751	1.5608	1.5279	1.5189	1.4765	Ave		1.5262				3.1		15.0			
Benzyl alcohol	0.7832 0.8070	0.7921	0.8314	0.4173	0.8453	Ave		0.7461				21.8	*	15.0			
2,2'-oxybis[1-chloropropane]	1.7716 1.5040	1.7436	1.6702	1.6127	1.5449	Ave		1.6412				6.5		15.0			
2-Methylphenol	1.2759 1.3634	1.2603	1.3044	1.2125	1.1569	Ave		1.2622				5.7		15.0			
Acetophenone	1.8222 1.5944	1.8259	1.7911	1.7386	1.6626	Ave		1.7391				5.4		15.0			
Hexachloroethane	0.6824 0.5465	0.6594	0.6319	0.6253	0.5946	Ave		0.6233				7.7		15.0			
N-Nitrosodi-n-propylamine	0.9225 1.0015	0.9243	0.8826	0.8660	0.7623	Ave		0.8932			0.0500	8.9		15.0			
3 & 4 Methylphenol	1.2884 1.1109	1.2847	1.3364	1.2119	1.1565	Ave		1.2315				7.0		15.0			
4-Methylphenol	1.3585 1.2719	1.2930	1.3650	1.2346	1.1565	Ave		1.2799				6.1		15.0			
Nitrobenzene	0.5455 0.3571	0.4849	0.4788	0.4488	0.4225	Ave		0.4563				14.0		15.0			
n,n'-Dimethylaniline	2.0826 1.8776	2.1271	2.1096	2.0787	1.9335	Ave		2.0348				5.1		15.0			
Isophorone	0.5953 0.5016	0.5743	0.5628	0.5445	0.5467	Ave		0.5542				5.8		15.0			
2-Nitrophenol	0.1932 0.2250	0.1970	0.2094	0.2076	0.2054	Ave		0.2063				5.4		30.0			
2,4-Dimethylphenol	0.3273 0.3131	0.3206	0.3291	0.2632	0.2981	Ave		0.3086				8.1		15.0			
Bis(2-chloroethoxy)methane	0.3840 0.3592	0.3814	0.3663	0.3650	0.3610	Ave		0.3695				2.9		15.0			
2,4-Dichlorophenol	0.2848 0.2719	0.2749	0.2958	0.2765	0.2609	Ave		0.2775				4.3		30.0			
1,2,4-Trichlorobenzene	0.3272 0.3131	0.3324	0.3202	0.3140	0.3119	Ave		0.3198				2.6		15.0			
Naphthalene	1.1243 1.0100	1.1017	1.0690	1.0351	1.0025	Ave		1.0571				4.7		15.0			
Benzoic acid	0.1699 0.2222	0.2048	0.2242	0.1794	0.2003	Ave		0.2001				11.0		15.0			
4-Chloroaniline	0.4302 0.3486	0.4158	0.4051	0.3915	0.3706	Ave		0.3936				7.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1963 0.1663	0.1872	0.1799	0.1737	0.1691	Ave		0.1787				6.4		30.0			
Caprolactam	0.0742 0.0902	0.0805	0.0818	0.0775	0.0749	Ave		0.0798				7.3		15.0			
4-Chloro-3-methylphenol	0.2758 0.2225	0.2692	0.2736	0.2338	0.2252	Ave		0.2500				10.2		30.0			
2-Methylnaphthalene	0.7978 0.7847	0.7740	0.7378	0.8200	0.8039	Ave		0.7863				3.6		15.0			
1-Methylnaphthalene	0.7367 0.6538	0.6884	0.7115	0.6590	0.6252	Ave		0.6791				6.0		15.0			
Hexachlorocyclopentadiene	0.1982 0.3412	0.2084	0.2592	0.2856	0.3122	QuaF		3.7805	-0.840		0.0500				0.9996		0.9900
1,2,4,5-Tetrachlorobenzene	0.6309 0.6452	0.6165	0.6375	0.6171	0.5822	Ave		0.6216				3.6		30.0			
2-tertbutyl-4-methylphenol	0.4853 0.3919	0.4521	0.4777	0.4044	0.4019	Ave		0.4355				9.5		15.0			
2,4,6-Trichlorophenol	0.3865 0.4303	0.3793	0.4003	0.3637	0.3714	Ave		0.3886				6.2		30.0			
2,4,5-Trichlorophenol	0.3980 0.3647	0.3874	0.4137	0.3764	0.3719	Ave		0.3854				4.7		15.0			
2-Chloronaphthalene	1.2463 1.0945	1.2281	1.1912	1.1533	1.1007	Ave		1.1690				5.5		15.0			
Diphenyl	1.6042 1.3946	1.6236	1.5903	1.5132	1.4219	Ave		1.5246				6.4		15.0			
Diphenyl ether	0.8715 0.8455	0.8585	0.8303	0.8205	0.8106	Ave		0.8395				2.8		15.0			
2-Nitroaniline	0.3323 0.2851	0.3238	0.3137	0.3000	0.2920	Ave		0.3078				6.0		15.0			
Dimethylnaphthalene, total	1.0713 1.0392	1.0361	1.0722	1.0368	0.9690	Ave		1.0374				3.6		15.0			
Coumarin	0.2040 0.1732	0.1853	0.2030	0.1837	0.1752	Ave		0.1874				7.1		15.0			
Dimethyl phthalate	1.2641 1.0595	1.2151	1.1867	1.1290	1.1087	Ave		1.1605				6.5		15.0			
Acenaphthylene	2.0085 1.7216	1.9044	1.8141	1.7577	1.7196	Ave		1.8210				6.3		15.0			
2,6-Dinitrotoluene	0.2874 0.2431	0.2866	0.2820	0.2700	0.2575	Ave		0.2711				6.6		15.0			
3-Nitroaniline	0.3178 0.2421	0.2947	0.2926	0.2703	0.2538	Ave		0.2786				10.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acenaphthene	1.1689 1.0049	1.1449	1.0808	1.0541	1.0317	Ave		1.0809				6.0		30.0			
3,5-di-tert-butyl-4-hydroxytol	1.0132 0.9057	0.9592	1.0332	0.9248	0.8822	Ave		0.9530				6.3		15.0			
2,4-Dinitrophenol	0.1152 0.1466	0.1098	0.1332	0.1362	0.1418	Ave		0.1305			0.0500	11.3		15.0			
Dibenzofuran	1.6559 1.4517	1.6124	1.5499	1.4871	1.4537	Ave		1.5351				5.6		15.0			
2,4-Dinitrotoluene	0.3473 0.3097	0.3476	0.3389	0.3255	0.3193	Ave		0.3314				4.7		15.0			
4-Nitrophenol	0.1403 0.1210	0.1345	0.1514	0.1132	0.1468	Ave		0.1345			0.0500	11.1		15.0			
2,3,4,6-Tetrachlorophenol	0.2715 0.2527	0.2594	0.2682	0.2463	0.2568	Ave		0.2592				3.6		30.0			
Diethyl phthalate	1.1829 0.9141	1.1454	1.1213	1.0421	0.9837	Ave		1.0649				9.7		15.0			
Fluorene	1.3125 1.0543	1.2849	1.2320	1.1731	1.1192	Ave		1.1960				8.3		15.0			
4-Chlorophenyl phenyl ether	0.6389 0.5618	0.6054	0.5940	0.5762	0.5581	Ave		0.5891				5.2		15.0			
4-Nitroaniline	0.2589 0.1852	0.2563	0.2472	0.2216	0.2043	Ave		0.2289				13.2		15.0			
4,6-Dinitro-2-methylphenol	0.1275 0.1460	0.1264	0.1371	0.1402	0.1433	Ave		0.1368				6.0		15.0			
N-Nitrosodiphenylamine	0.6406 0.6473	0.6018	0.6264	0.6334	0.6397	Ave		0.6315				2.6		30.0			
1,2-Diphenylhydrazine	0.8923 1.0486	1.0207	1.0683	1.0474	1.0283	Ave		1.0176				6.3		15.0			
4-Bromophenyl phenyl ether	0.2524 0.2599	0.2421	0.2385	0.2470	0.2509	Ave		0.2485				3.1		15.0			
Hexachlorobenzene	0.2774 0.2800	0.2687	0.2623	0.2647	0.2734	Ave		0.2711				2.6		15.0			
Atrazine	0.2031 0.1922	0.2032	0.2076	0.1944	0.2001	Ave		0.2001				2.9		15.0			
Pentachlorophenol	0.1296 0.1432	0.1322	0.1264	0.1286	0.1318	Ave		0.1320				4.5		30.0			
Pentachloronitrobenzene	0.1097 0.0915	0.1015	0.1030	0.0953	0.0942	Ave		0.0992				6.8					
Phenanthrene	1.1563 1.0760	1.1197	1.1153	1.0948	1.0674	Ave		1.1049				2.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
n-Octadecane	0.5349 0.4752	0.4863	0.5338	0.5175	0.4799	Ave		0.5046				5.4		15.0			
Anthracene	1.1754 1.0300	1.1502	1.1345	1.0737	1.0634	Ave		1.1045				5.2		15.0			
Carbazole	0.9671 0.8085	0.9473	0.9174	0.8467	0.8369	Ave		0.8873				7.3		15.0			
Di-n-butyl phthalate	1.1689 1.0810	1.1549	1.1405	1.1287	1.1131	Ave		1.1312				2.8		15.0			
Fluoranthene	0.9804 0.8162	0.9696	0.9269	0.8787	0.8713	Ave		0.9072				7.0		30.0			
Benzidine	0.2346 ++++	0.2871	0.1575	0.0268	0.0080	Ave		0.1428				86.6	*	15.0			
Pyrene	1.9818 2.0826	1.8974	1.9092	2.0280	2.0084	Ave		1.9846				3.6		15.0			
Butyl benzyl phthalate	0.7215 0.7751	0.7112	0.7253	0.7525	0.7706	Ave		0.7427				3.6		15.0			
Carbamazepine	0.3753 0.4802	0.4001	0.4357	0.4332	0.4330	Ave		0.4263				8.4		15.0			
Benzo[a]anthracene	1.3252 1.1883	1.1792	1.1558	1.1465	1.1311	Ave		1.1877				5.9		15.0			
3,3'-Dichlorobenzidine	0.3900 0.2549	0.4016	0.3712	0.3205	0.2736	QuaF		2.2301	2.2797						0.9973		0.9900
Chrysene	1.1765 1.1751	1.2490	1.1514	1.1604	1.1835	Ave		1.1826				2.9		15.0			
Bis(2-ethylhexyl) phthalate	0.9162 0.9910	0.9403	0.9388	0.9617	1.0215	Ave		0.9616				4.0		15.0			
Di-n-octyl phthalate	1.8073 1.9614	1.9912	2.1058	2.1080	2.1440	Ave		2.0196				6.3		30.0			
Benzo[b]fluoranthene	1.0879 1.3866	1.1634	1.3079	1.2561	1.3908	Ave		1.2655				9.6		15.0			
Benzo[k]fluoranthene	1.3525 1.4201	1.7056	1.4508	1.5600	1.3948	Ave		1.4806				8.8		15.0			
Benzo[a]pyrene	0.8441 1.0591	1.0348	1.0075	1.0288	1.0177	Ave		0.9987				7.8		30.0			
Indeno[1,2,3-cd]pyrene	0.5980 0.9251	0.5601	0.6153	0.7749	0.7405	QuaF		1.5569	-0.170						0.9975		0.9900
Dibenz(a,h)anthracene	0.5542 0.9968	0.7033	0.7432	0.8445	0.8800	QuaF		1.3179	-0.105						0.9998		0.9900
Benzo[g,h,i]perylene	0.6807 1.0208	0.7596	0.7675	0.8496	0.8858	Ave		0.8273				14.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.2255 1.3245	1.2633	1.2946	1.2826	1.2257	Ave		1.2694				3.1		15.0			
Phenol-d5	1.6292 1.5520	1.6188	1.6492	1.5399	1.4525	Ave		1.5736				4.7		15.0			
Nitrobenzene-d5	0.3553 0.3396	0.3610	0.3736	0.3576	0.3425	Ave		0.3549				3.5		15.0			
2-Fluorobiphenyl	1.4692 1.4352	1.4352	1.4704	1.4259	1.3621	Ave		1.4330				2.8		15.0			
2,4,6-Tribromophenol	0.1816 0.1705	0.1833	0.1822	0.1478	0.1712	Ave		0.1728				7.8		15.0			
Terphenyl-d14	1.3074 1.5272	1.2625	1.3559	1.4431	1.4141	Ave		1.3850				6.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122963/7	z11529.d
Level 2	IC 460-122963/6	z11528.d
Level 3	IC 460-122963/5	z11527.d
Level 4	ICIS 460-122963/2	z11524.d
Level 5	IC 460-122963/4	z11526.d
Level 6	IC 460-122963/3	z11525.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	QuaF	12336 354574	14446	34150	89425	152756	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	23391 642538	46025	95570	223754	352853	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	48786 1111548	77655	164617	385100	614409	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	583	+++++	+++++ +++++	+++++	+++++	0.500	+++++
Benzaldehyde	DCB	Ave	31966 +++++	41827	78519	138892	73636	5.00 +++++	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	80685 1295588	131835	276741	659564	923231	5.00 120	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	67577 1502577	118364	267698	585090	822986	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	QuaF	7931 1470217	96403	206706	492363	682811	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	62226 1320525	105994	240171	541338	742319	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	54465 1005560	87540	196503	440583	595828	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	66129 1405401	113621	235681	565498	816141	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	67136 1415554	115078	242678	575612	822543	5.00 120	10.0	20.0	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	63362 1353471	107779	230403	544619	788952	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzyl alcohol	DCB	Ave	31057 740498	54695	125371	149626	451667	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	70250 1380038	120400	251862	578251	825509	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	50593 1251047	87028	196697	434758	618142	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	72254 1462997	126082	270096	623391	888381	5.00 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	2706 501453	45531	95288	224198	317693	0.500 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	3658 918914	63825	133093	310516	407313	0.500 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	51089 1019343	88711	201519	434528	617925	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	53870 1167024	89283	205841	442674	617925	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	8620 1245531	131065	279820	632117	873699	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	Ave	8258 1722792	146887	318116	745331	1033139	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	94059 1749366	155223	328914	767058	1130631	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	30530 784546	53243	122360	292449	424716	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	51717 1091829	86653	192321	370770	616425	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	60671 1252786	103069	214083	514081	746597	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	45008 948454	74301	172878	389453	539477	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	5171 1091911	89850	187151	442363	644939	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	177662 3522388	297761	624755	1458112	2073126	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	Ave	26847 774866	55346	131053	252747	414324	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	67978 1215716	112387	236749	551498	766362	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	6203 579993	50594	105135	244615	349724	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	11732 314452	21756	47802	109102	154938	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54      Calibration End Date: 08/06/2012 15:40      Calibration ID: 16771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	43575 775914	72749	159889	329321	465643	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	126060 2736587	209184	431218	1155024	1662427	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	116414 2280054	186043	415816	928342	1292880	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	QuaF	15494 521308	27248	72787	186389	301164	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	49310 985808	80597	179043	402769	561706	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	76678 1366655	122191	279161	569598	831040	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	30214 657466	49585	112429	237370	358268	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	31112 557313	50638	116183	245651	358797	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	97416 1672477	160547	334531	752750	1061945	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	Ave	125390 2131050	212246	446612	987624	1371762	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	68122 1291874	112233	233166	535510	782028	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	51942 435564	42334	88105	195803	281734	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	83734 1587949	135447	301101	676664	934880	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	32232 604012	50094	118650	258735	362318	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	98809 1618928	158844	333256	736881	1069644	5.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	156989 2630576	248955	509466	1147198	1659032	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	4493 371387	37469	79203	176244	248383	1.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	49684 369908	38530	82167	176424	244899	10.0 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	91366 1535498	149674	303528	688001	995349	5.00 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	79199 1383990	125392	290148	603563	851089	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	Ave	27010 223959	28700	56127	88903	136791	15.0 120	20.0	30.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibenzofuran	ANT	Ave	129430 2218205	210785	435273	970557	1402489	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	5429 473286	45442	95174	212473	308071	1.00 120	10.0	20.0	50.0	80.0
4-Nitrophenol	ANT	Ave	32910 184946	35162	63762	73882	141670	15.0 120	20.0	30.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	21223 386118	33915	75327	160773	2477777	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	92458 1396695	149727	314895	680135	949025	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	102588 1611032	167967	345984	765617	1079812	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	49943 858377	79139	166804	376091	538476	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	40475 283004	33502	69417	144600	197102	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	40582 254663	44152	76427	114602	167866	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	67975 1128777	105076	232783	517544	749514	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	94684 1828713	178217	396990	855923	1204794	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	26784 453330	42274	88617	201845	293948	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	2943 488275	46920	97482	216297	320263	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	21547 335262	35486	77129	158826	234483	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	41250 249669	46174	70447	105054	154445	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	11638 159611	17716	38275	77870	110392	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	122693 1876451	195501	414440	894624	1250580	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	56755 828685	84911	198351	422880	562207	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	124718 1796198	200816	421607	877363	1245849	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	102616 1410044	165393	340921	691897	980458	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	124026 1885227	201637	423804	922333	1304046	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122963

SDG No.:

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	104024 1423468	169279	344438	718040	1020843	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	24895 +++++	100264	87765	21919	9318	5.00 +++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	100604 1375895	167267	341224	692031	974544	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	36627 512086	62696	129636	256767	373938	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	Ave	19050 317258	35273	77880	147834	210115	5.00 120	10.0	20.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	6727 785056	103957	206568	391232	548865	0.500 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	QuaF	39595 168400	70815	99506	109350	132770	10.0 120	20.0	30.0	50.0	80.0
Chrysene	CRY	Ave	59722 776363	110110	205782	395959	574271	5.00 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	46512 654695	82892	167794	328170	495695	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	54854 812482	106259	216462	416339	591833	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	3302 574392	62086	134440	248095	383929	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	4105 588243	91020	149138	308103	385039	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	2562 438711	55220	103565	203197	280942	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	QuaF	1815 383217	29892	63250	153053	204412	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	QuaF	1682 412893	37532	76399	166795	242926	0.500 120	10.0	20.0	50.0	80.0
Benzol[g,h,i]perylene	PRY	Ave	20661 422853	40537	78894	167808	244513	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	48593 1215312	87235	195216	459884	654930	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	64602 1424033	111784	248688	552157	776127	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	56149 1184387	97573	218348	503703	708396	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	114839 2192959	187617	412936	930651	1314088	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	14196 260548	23956	51176	96479	165190	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122963

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/06/2012 12:54 Calibration End Date: 08/06/2012 15:40 Calibration ID: 16771

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	66368 1008946	111297	242342	492453	686159	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

Ave = Average ISTD

QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11524.d  
Report Date: 07-Aug-2012 02:11

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11524.d  
Lab Smp Id: ICIS-1564229  
Inj Date : 06-AUG-2012 12:54  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : ICIS-1564229  
Misc Info : 50 ppm bna 4674  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/8270C\_11.m  
Meth Date : 07-Aug-2012 02:11 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 12:54 Cal File: z11524.d  
Als bottle: 2 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	0.478	0.478 (0.194)			89425	50.0000	49
19 N-Nitrosodimethylamine	74	0.584	0.584 (0.237)			223754	50.0000	48
71 Pyridine	79	0.590	0.590 (0.239)			385100	50.0000	47
\$ 16 2-Fluorophenol (SUR)	112	1.396	1.396 (0.566)			459884	50.0000	50
110 Benzaldehyde	77	2.055	2.055 (0.833)			138892	50.0000	39
\$ 17 Phenol-d5 (SUR)	99	2.243	2.243 (0.909)			552157	50.0000	49
1 Phenol	94	2.255	2.255 (0.914)			585090	50.0000	49
73 Aniline	93	2.178	2.178 (0.883)			659564	50.0000	51
20 bis(2-Chloroethyl)ether	93	2.272	2.272 (0.921)			492363	50.0000	53
2 2-Chlorophenol	128	2.290	2.290 (0.928)			541338	50.0000	50
113 n-decane	43	2.372	2.372 (0.962)			440583	50.0000	50
21 1,3-Dichlorobenzene	146	2.407	2.407 (0.976)			565498	50.0000	50
* 79 1,4-Dichlorobenzene-d4	152	2.466	2.466 (1.000)			286846	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11524.d  
 Report Date: 07-Aug-2012 02:11

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	2.484	2.484 (1.007)		575612	50.0000	50
74 Benzyl Alcohol	108	2.678	2.678 (1.086)		149626	50.0000	28
23 1,2-Dichlorobenzene	146	2.625	2.625 (1.064)		544619	50.0000	50
3 2-Methylphenol	108	2.837	2.837 (1.150)		434758	50.0000	48
24 bis (2-chloroisopropyl) ether	45	2.796	2.796 (1.134)		578251	50.0000	49
4 4-Methylphenol	108	3.013	3.013 (1.222)		442674	50.0000	48
123 3 & 4 Methylphenol	108	3.013	3.013 (1.222)		434528	50.0000	49
104 Acetophenone	105	2.925	2.925 (1.186)		623391	50.0000	50
25 N-Nitroso-di-n-propylamine	70	2.960	2.960 (1.200)		310516	50.0000	48
26 Hexachloroethane	117	2.955	2.955 (1.198)		224198	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	3.066	3.066 (0.807)		503703	50.0000	50
27 Nitrobenzene	77	3.090	3.090 (0.813)		632117	50.0000	49
107 N,N-Dimethylaniline	120	3.096	3.096 (1.255)		745331	50.0000	51
28 Isophorone	82	3.372	3.372 (0.887)		767058	50.0000	49
5 2-Nitrophenol	139	3.425	3.425 (0.901)		292449	50.0000	50
6 2,4-Dimethylphenol	122	3.572	3.572 (0.940)		370770	50.0000	43
29 bis(2-Chloroethoxy)methane	93	3.643	3.643 (0.958)		514081	50.0000	49
15 Benzoic Acid	122	3.878	3.878 (1.020)		252747	50.0000	45
7 2,4-Dichlorophenol	162	3.713	3.713 (0.977)		389453	50.0000	50
30 1,2,4-Trichlorobenzene	180	3.760	3.760 (0.989)		442363	50.0000	49
* 80 Naphthalene-d8	136	3.802	3.802 (1.000)		1126893	40.0000	
31 Naphthalene	128	3.825	3.825 (1.006)		1458112	50.0000	49
32 4-Chloroaniline	127	3.937	3.937 (1.036)		551498	50.0000	50
33 Hexachlorobutadiene	225	3.984	3.984 (1.048)		244615	50.0000	48
111 Caprolactam	113	4.407	4.407 (1.159)		109102	50.0000	48
8 4-Chloro-3-methylphenol	107	4.531	4.531 (1.192)		329321	50.0000	47
34 2-Methylnaphthalene	142	4.543	4.543 (1.195)		1155024	50.0000	52
120 1-Methylnaphthalene	142	4.637	4.637 (1.220)		928342	50.0000	48
35 Hexachlorocyclopentadiene	237	4.719	4.719 (0.849)		186389	50.0000	50
129 1,2,4,5-Tetrachlorobenzene	216	4.725	4.725 (0.850)		402769	50.0000	50
121 2-tert-Butyl-4-methylphenol	149	4.860	4.860 (1.278)		569598	50.0000	46
9 2,4,6-Trichlorophenol	196	4.878	4.878 (0.877)		237370	50.0000	47
10 2,4,5-Trichlorophenol	196	4.925	4.925 (0.886)		245651	50.0000	49
\$ 77 2-Fluorobiphenyl (SUR)	172	4.949	4.949 (0.890)		930651	50.0000	50
102 Diphenyl	154	5.031	5.031 (0.905)		987624	50.0000	50
36 2-Chloronaphthalene	162	5.025	5.025 (0.904)		752750	50.0000	49
103 Diphenyl Ether	170	5.143	5.143 (0.925)		535510	50.0000	49
37 2-Nitroaniline	65	5.178	5.178 (0.931)		195803	50.0000	49
125 1,3-Dimethylnaphthalene	156	5.254	5.254 (0.945)		676664	50.0000	50
38 Dimethylphthalate	163	5.396	5.396 (0.970)		736881	50.0000	49
114 Coumarin	146	5.360	5.360 (1.410)		258735	50.0000	49
40 2,6-Dinitrotoluene	165	5.437	5.437 (0.978)		176244	50.0000	50
39 Acenaphthylene	152	5.419	5.419 (0.975)		1147198	50.0000	48
41 3-Nitroaniline	138	5.590	5.590 (1.005)		176424	50.0000	48
* 82 Acenaphthene-d10	164	5.560	5.560 (1.000)		522135	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	5.666	5.666 (1.019)		603563	50.0000	48
42 Acenaphthene	154	5.590	5.590 (1.005)		688001	50.0000	49

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11524.d  
 Report Date: 07-Aug-2012 02:11

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	5.707	5.707 (1.026)			88903	50.0000	52
12 4-Nitrophenol	65	5.854	5.854 (1.053)			73882	50.0000	42
44 2,4-Dinitrotoluene	165	5.831	5.831 (1.049)			212473	50.0000	49
43 Dibenzofuran	168	5.766	5.766 (1.037)			970557	50.0000	48
130 2,3,4,6-Tetrachlorophenol	232	5.925	5.925 (1.066)			160773	50.0000	48
45 Diethylphthalate	149	6.084	6.084 (1.094)			680135	50.0000	49
46 4-Chlorophenyl-phenylether	204	6.125	6.125 (1.102)			376091	50.0000	49
47 Fluorene	166	6.090	6.090 (1.095)			765617	50.0000	49
48 4-Nitroaniline	138	6.184	6.184 (1.112)			144600	50.0000	48
13 4,6-Dinitro-2-methylphenol	198	6.231	6.231 (0.894)			114602	50.0000	51
49 N-Nitrosodiphenylamine	169	6.260	6.260 (0.898)			517544	50.0000	50
75 1,2-Diphenylhydrazine	77	6.278	6.278 (0.900)			855923	50.0000	51
\$ 18 2,4,6-Tribromophenol (SUR)	330	6.337	6.337 (1.140)			96479	50.0000	43
50 4-Bromophenyl-phenylether	248	6.584	6.584 (0.944)			201845	50.0000	50
51 Hexachlorobenzene	284	6.625	6.625 (0.950)			216297	50.0000	49
112 Atrazine	200	6.825	6.825 (0.979)			158826	50.0000	48
14 Pentachlorophenol	266	6.843	6.843 (0.981)			105054	50.0000	49
132 Pentachloronitrobenzene	237	6.843	6.843 (0.981)			77870	50.0000	48
115 n-Octadecane	57	7.019	7.019 (1.007)			422880	50.0000	51
* 83 Phenanthrene-d10	188	6.972	6.972 (1.000)			653720	40.0000	
52 Phenanthrene	178	6.995	6.995 (1.003)			894624	50.0000	50
53 Anthracene	178	7.048	7.048 (1.011)			877363	50.0000	49
54 Carbazole	167	7.237	7.237 (1.038)			691897	50.0000	48
55 Di-n-butylphthalate	149	7.648	7.648 (1.097)			922333	50.0000	50
56 Fluoranthene	202	8.119	8.119 (1.165)			718040	50.0000	48
58 Benzidine	184	8.325	8.325 (1.194)			21919	50.0000	9.4
57 Pyrene	202	8.325	8.325 (0.877)			692031	50.0000	51
\$ 78 Terphenyl-d14	244	8.537	8.537 (0.900)			492453	50.0000	52
59 Butylbenzylphthalate	149	9.054	9.054 (0.954)			256767	50.0000	51
109 2,3,7,8-TCDD (Screen)	320	9.084	9.084 (0.957)			583	0.50000	0.50
124 Carbamazepine	193	9.101	9.101 (0.959)			147834	50.0000	51
60 3,3'-Dichlorobenzidine	252	9.507	9.507 (1.002)			109350	50.0000	50
61 Benzo(a)anthracene	228	9.483	9.483 (0.999)			391232	50.0000	48
* 81 Chrysene-d12	240	9.489	9.489 (1.000)			272991	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.648	9.648 (1.017)			328170	50.0000	50
62 Chrysene	228	9.513	9.513 (1.002)			395959	50.0000	49
64 Di-n-octylphthalate	149	10.236	10.236 (0.947)			416339	50.0000	52
65 Benzo(b)fluoranthene	252	10.460	10.460 (0.967)			248095	50.0000	50
66 Benzo(k)fluoranthene	252	10.483	10.483 (0.970)			308103	50.0000	53
67 Benzo(a)pyrene	252	10.760	10.760 (0.995)			203197	50.0000	52
* 84 Perylene-d12	264	10.813	10.813 (1.000)			158005	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.919	11.919 (1.102)			153053	50.0000	54(M)
69 Dibenz(a,h)anthracene	278	11.948	11.948 (1.105)			166795	50.0000	51
70 Benzo(g,h,i)perylene	276	12.183	12.183 (1.127)			167808	50.0000	51

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11524.d  
Report Date: 07-Aug-2012 02:11

QC Flag Legend

M - Compound response manually integrated.

Data File: z11524.d

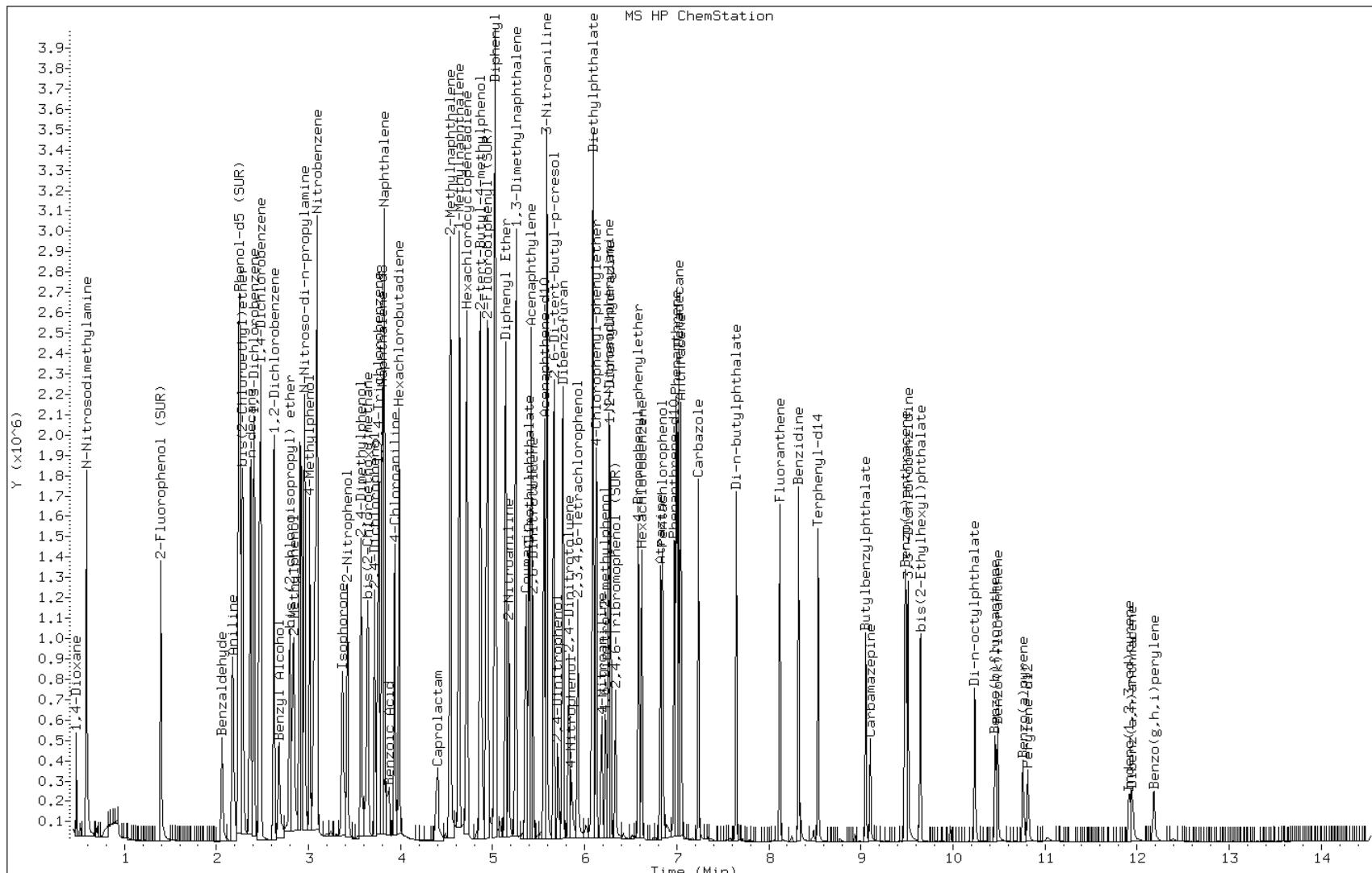
Date: 06-AUG-2012 12:54

Client ID:

Instrument: BNAMS11.i

Sample Info: ICIS-1564229

Operator: BNAMS 4

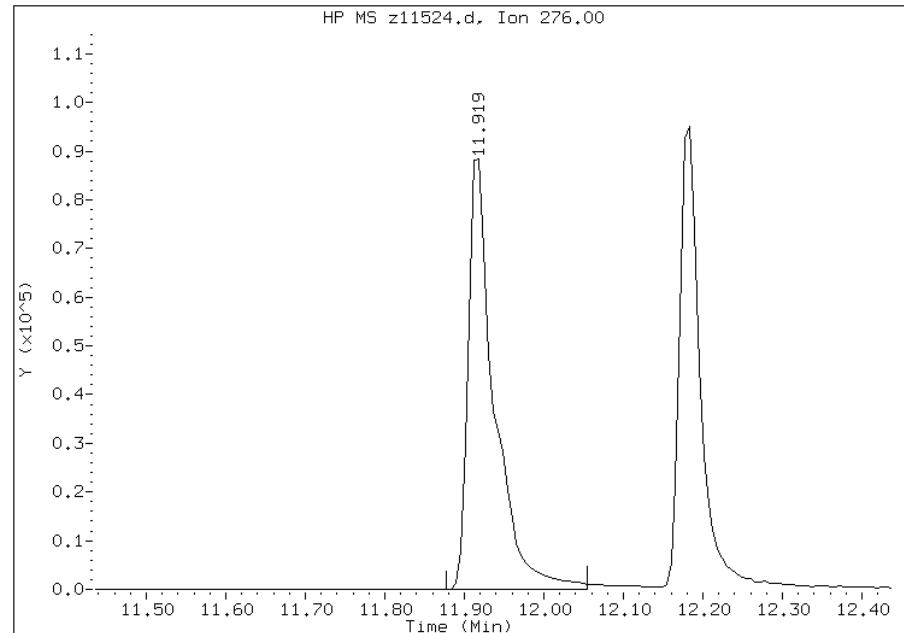


## Manual Integration Report

Data File: z11524.d  
Inj. Date and Time: 06-AUG-2012 12:54  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/07/2012

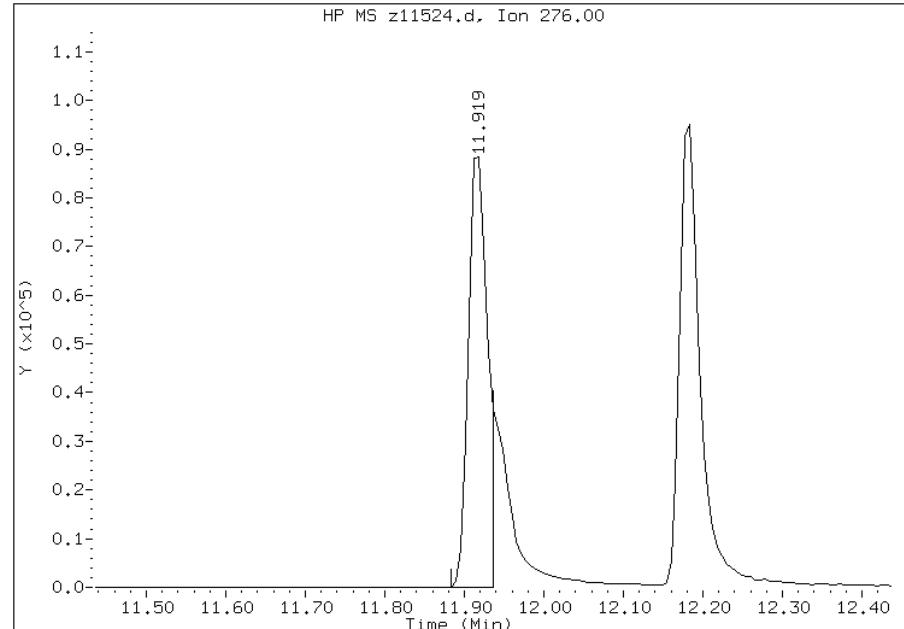
### Processing Integration Results

RT: 11.92  
Response: 205175  
Amount: 74  
Conc: 74



### Manual Integration Results

RT: 11.92  
Response: 153053  
Amount: 54  
Conc: 54



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11525.d  
Report Date: 07-Aug-2012 02:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11525.d  
Lab Smp Id: IC-1564257  
Inj Date : 06-AUG-2012 13:26  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : IC-1564257  
Misc Info : 120  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/8270C\_11.m  
Meth Date : 07-Aug-2012 02:11 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 13:26 Cal File: z11525.d  
Als bottle: 3 Calibration Sample, Level: 5  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	0.560	0.560	(0.230)		354574	120.000	120
19 N-Nitrosodimethylamine	74	0.731	0.731	(0.300)		642538	120.000	130(AH)
71 Pyridine	79	0.731	0.731	(0.300)		1111548	120.000	130(AH)
\$ 16 2-Fluorophenol (SUR)	112	1.478	1.478	(0.607)		1215312	120.000	120(A)
110 Benzaldehyde	77	2.101	2.101	(0.862)		47722	120.000	13
\$ 17 Phenol-d5 (SUR)	99	2.290	2.290	(0.940)		1424033	120.000	120
1 Phenol	94	2.301	2.301	(0.944)		1502577	120.000	120(H)
73 Aniline	93	2.225	2.225	(0.913)		1295588	120.000	94(AM)
20 bis(2-Chloroethyl)ether	93	2.319	2.319	(0.931)		1470217	120.000	120(AM)
2 2-Chlorophenol	128	2.343	2.343	(0.961)		1320525	120.000	110
113 n-decane	43	2.384	2.384	(0.978)		1005560	120.000	110
21 1,3-Dichlorobenzene	146	2.437	2.437	(1.000)		1405401	120.000	120
* 79 1,4-Dichlorobenzene-d4	152	2.490	2.490	(1.000)		305855	40.0000	(H)

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11525.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22 1,4-Dichlorobenzene		146	2.507	2.507 (1.029)		1415554	120.000	120(H)
74 Benzyl Alcohol		108	2.701	2.701 (1.109)		740498	120.000	130(AH)
23 1,2-Dichlorobenzene		146	2.643	2.643 (1.084)		1353471	120.000	120
3 2-Methylphenol		108	2.866	2.866 (1.176)		1251047	120.000	130(A)
24 bis (2-chloroisopropyl) ether		45	2.813	2.813 (1.154)		1380038	120.000	110(H)
4 4-Methylphenol		108	3.060	3.060 (1.256)		1167024	120.000	120(H)
123 3 & 4 Methylphenol		108	3.060	3.060 (1.256)		1019343	120.000	110(H)
104 Acetophenone		105	2.960	2.960 (1.215)		1462997	120.000	110(H)
25 N-Nitroso-di-n-propylamine		70	3.001	3.001 (1.206)		918914	120.000	130(AM)
26 Hexachloroethane		117	2.966	2.966 (1.217)		501453	120.000	100
\$ 76 Nitrobenzene-d5 (SUR)		82	3.101	3.101 (0.813)		1184387	120.000	110
27 Nitrobenzene		77	3.125	3.125 (0.820)		1245531	120.000	94
107 N,N-Dimethylaniline		120	3.125	3.125 (1.282)		1722792	120.000	110
28 Isophorone		82	3.413	3.413 (0.895)		1749366	120.000	110(H)
5 2-Nitrophenol		139	3.443	3.443 (0.903)		784546	120.000	130(A)
6 2,4-Dimethylphenol		122	3.601	3.601 (0.944)		1091829	120.000	120(A)
29 bis(2-Chloroethoxy)methane		93	3.666	3.666 (0.961)		1252786	120.000	120
15 Benzoic Acid		122	3.984	3.984 (1.045)		774866	120.000	130(AM)
7 2,4-Dichlorophenol		162	3.737	3.737 (0.980)		948454	120.000	120
30 1,2,4-Trichlorobenzene		180	3.772	3.772 (0.989)		1091911	120.000	120
* 80 Naphthalene-d8		136	3.813	3.813 (1.000)		1162546	40.0000	
31 Naphthalene		128	3.837	3.837 (1.006)		3522388	120.000	110
32 4-Chloroaniline		127	3.948	3.948 (1.035)		1215716	120.000	110
33 Hexachlorobutadiene		225	3.995	3.995 (1.048)		579993	120.000	110
111 Caprolactam		113	4.519	4.519 (1.185)		314452	120.000	140(AM)
8 4-Chloro-3-methylphenol		107	4.548	4.548 (1.193)		775914	120.000	110
34 2-Methylnaphthalene		142	4.554	4.554 (1.194)		2736587	120.000	120
120 1-Methylnaphthalene		142	4.654	4.654 (1.221)		2280054	120.000	120
35 Hexachlorocyclopentadiene		237	4.725	4.725 (0.849)		521308	120.000	120
129 1,2,4,5-Tetrachlorobenzene		216	4.737	4.737 (0.851)		985808	120.000	120(A)
121 2-tert-Butyl-4-methylphenol		149	4.884	4.884 (1.281)		1366655	120.000	110
9 2,4,6-Trichlorophenol		196	4.895	4.895 (0.880)		657466	120.000	130(A)
10 2,4,5-Trichlorophenol		196	4.948	4.948 (0.889)		557313	120.000	110
\$ 77 2-Fluorobiphenyl (SUR)		172	4.960	4.960 (0.891)		2192959	120.000	120(A)
102 Diphenyl		154	5.048	5.048 (0.907)		2131050	120.000	110
36 2-Chloronaphthalene		162	5.037	5.037 (0.905)		1672477	120.000	110
103 Diphenyl Ether		170	5.154	5.154 (0.926)		1291874	120.000	120(A)
37 2-Nitroaniline		65	5.201	5.201 (0.934)		435564	120.000	110(H)
125 1,3-Dimethylnaphthalene		156	5.266	5.266 (0.946)		1587949	120.000	120(A)
38 Dimethylphthalate		163	5.413	5.413 (0.973)		1618928	120.000	110
114 Coumarin		146	5.389	5.389 (1.413)		604012	120.000	110
40 2,6-Dinitrotoluene		165	5.460	5.460 (0.981)		371387	120.000	110(H)
39 Acenaphthylene		152	5.431	5.431 (0.976)		2630576	120.000	110
41 3-Nitroaniline		138	5.613	5.613 (1.008)		369908	120.000	100
* 82 Acenaphthene-d10		164	5.566	5.566 (1.000)		509340	40.0000	
122 2,6-Di-tert-butyl-p-cresol		205	5.678	5.678 (1.020)		1383990	120.000	110
42 Acenaphthene		154	5.607	5.607 (1.007)		1535498	120.000	110

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11525.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
11 2,4-Dinitrophenol	184	5.725	5.725 (1.029)		223959	120.000	130(A)
12 4-Nitrophenol	65	5.872	5.872 (1.055)		184946	120.000	110
44 2,4-Dinitrotoluene	165	5.848	5.848 (1.051)		473286	120.000	110
43 Dibenzofuran	168	5.778	5.778 (1.038)		2218205	120.000	110
130 2,3,4,6-Tetrachlorophenol	232	5.936	5.936 (1.067)		386118	120.000	120
45 Diethylphthalate	149	6.107	6.107 (1.097)		1396695	120.000	100
46 4-Chlorophenyl-phenylether	204	6.136	6.136 (1.103)		858377	120.000	110
47 Fluorene	166	6.107	6.107 (1.097)		1611032	120.000	100
48 4-Nitroaniline	138	6.213	6.213 (1.116)		283004	120.000	97(H)
13 4,6-Dinitro-2-methylphenol	198	6.254	6.254 (0.896)		254663	120.000	130(AH)
49 N-Nitrosodiphenylamine	169	6.284	6.284 (0.900)		1128777	120.000	120(A)
75 1,2-Diphenylhydrazine	77	6.295	6.295 (0.901)		1828713	120.000	120(A)
\$ 18 2,4,6-Tribromophenol (SUR)	330	6.348	6.348 (1.141)		260548	120.000	120
50 4-Bromophenyl-phenylether	248	6.595	6.595 (0.944)		453330	120.000	120(A)
51 Hexachlorobenzene	284	6.636	6.636 (0.950)		488275	120.000	120(A)
112 Atrazine	200	6.848	6.848 (0.981)		335262	120.000	120
14 Pentachlorophenol	266	6.854	6.854 (0.981)		249669	120.000	130(A)
132 Pentachloronitrobenzene	237	6.860	6.860 (0.982)		159611	120.000	110
115 n-Octadecane	57	7.025	7.025 (1.006)		828685	120.000	110
* 83 Phenanthrene-d10	188	6.983	6.983 (1.000)		581308	40.0000	
52 Phenanthrene	178	7.013	7.013 (1.004)		1876451	120.000	120
53 Anthracene	178	7.060	7.060 (1.011)		1796198	120.000	110
54 Carbazole	167	7.248	7.248 (1.038)		1410044	120.000	110
55 Di-n-butylphthalate	149	7.654	7.654 (1.096)		1885227	120.000	110
56 Fluoranthene	202	8.130	8.130 (1.164)		1423468	120.000	110
58 Benzidine	184	8.325	8.325 (1.192)		7946	120.000	3.8(a)
57 Pyrene	202	8.330	8.330 (0.877)		1375895	120.000	120(A)
\$ 78 Terphenyl-d14	244	8.548	8.548 (0.900)		1008946	120.000	130(A)
59 Butylbenzylphthalate	149	9.060	9.060 (0.954)		512086	120.000	120(A)
124 Carbamazepine	193	9.119	9.119 (0.960)		317258	120.000	140(A)
60 3,3'-Dichlorobenzidine	252	9.507	9.507 (1.001)		168400	120.000	120(A)
61 Benzo(a)anthracene	228	9.489	9.489 (0.999)		785056	120.000	120(A)
* 81 Chrysene-d12	240	9.495	9.495 (1.000)		220221	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.648	9.648 (1.016)		654695	120.000	120(A)
62 Chrysene	228	9.519	9.519 (1.002)		776363	120.000	120
64 Di-n-octylphthalate	149	10.248	10.248 (0.947)		812482	120.000	120
65 Benzo(b)fluoranthene	252	10.471	10.471 (0.968)		574392	120.000	130(A)
66 Benzo(k)fluoranthene	252	10.495	10.495 (0.970)		588243	120.000	120
67 Benzo(a)pyrene	252	10.771	10.771 (0.996)		438711	120.000	130(A)
* 84 Perylene-d12	264	10.819	10.819 (1.000)		138077	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.924	11.924 (1.102)		383217	120.000	120(AM)
69 Dibenz(a,h)anthracene	278	11.954	11.954 (1.105)		412893	120.000	120
70 Benzo(g,h,i)perylene	276	12.195	12.195 (1.127)		422853	120.000	150(A)

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11525.d  
Report Date: 07-Aug-2012 02:12

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11525.d

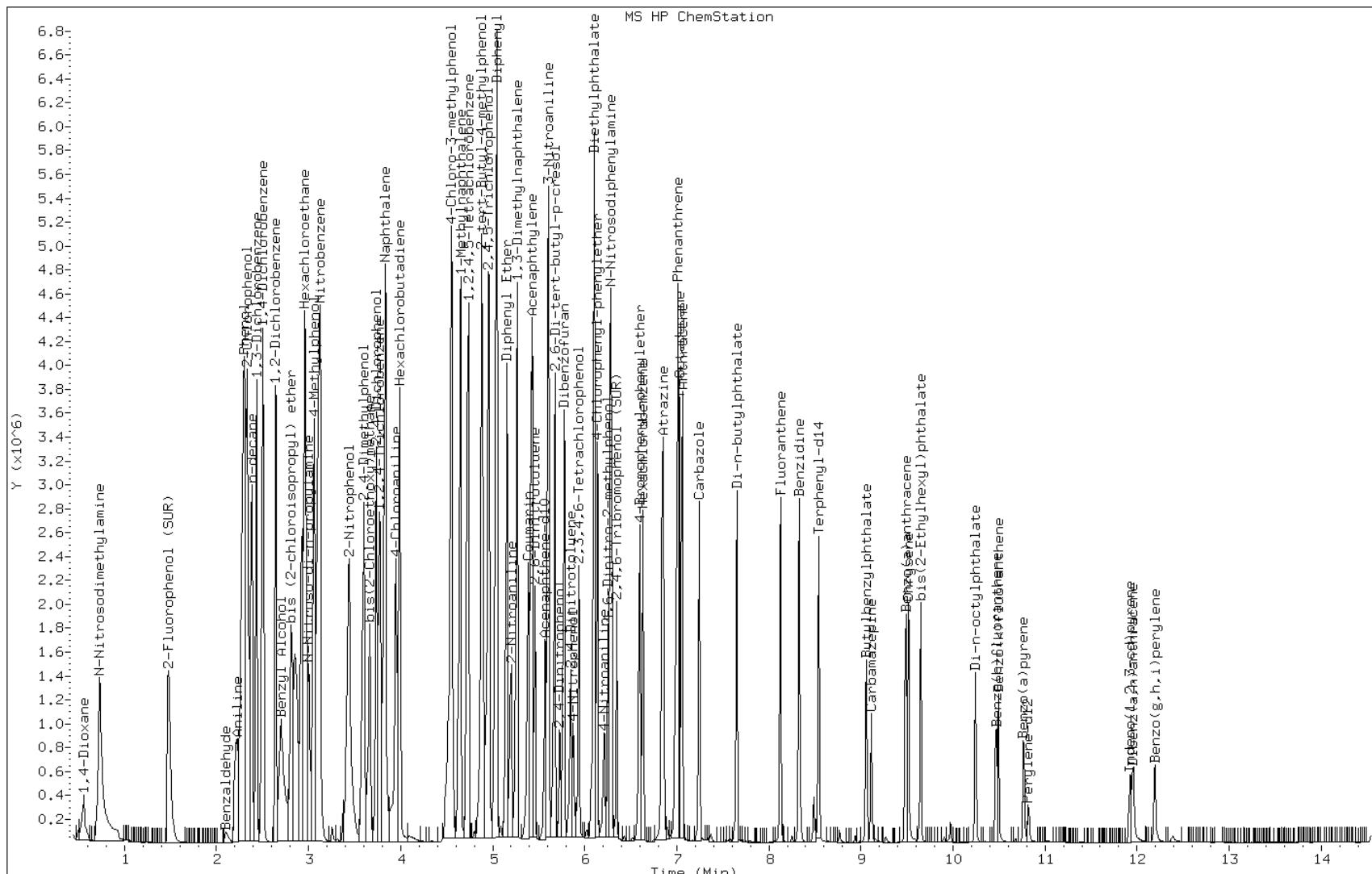
Date: 06-AUG-2012 13:26

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1564257

Operator: BNAMS 4

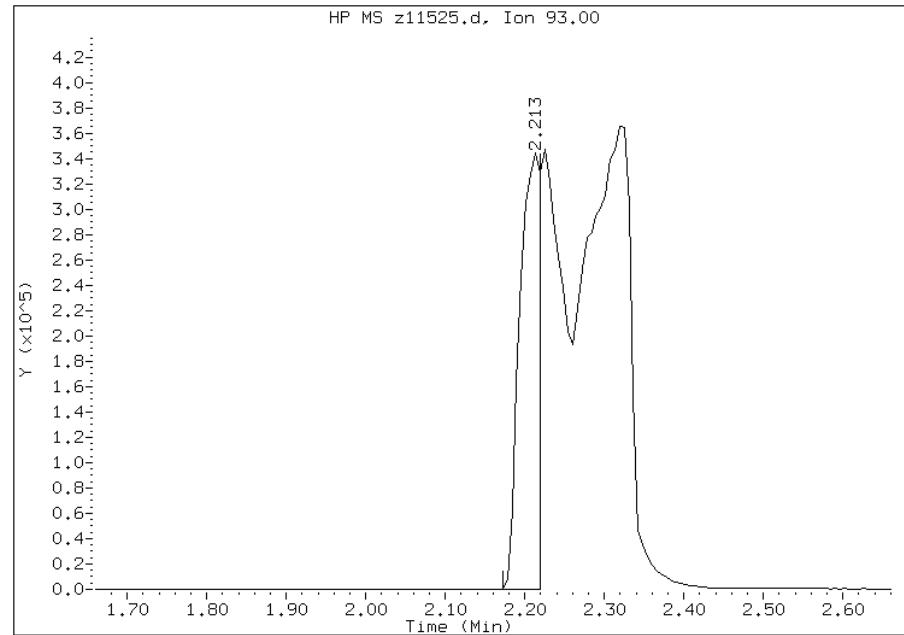


## Manual Integration Report

Data File: z11525.d  
Inj. Date and Time: 06-AUG-2012 13:26  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 73 Aniline  
CAS #: 62-53-3  
Report Date: 08/07/2012

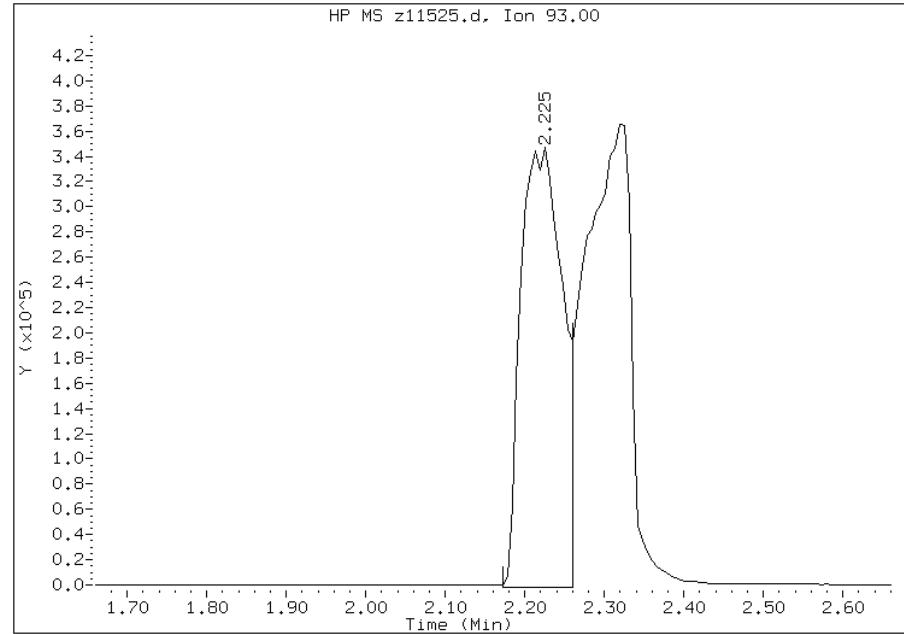
### Processing Integration Results

RT: 2.21  
Response: 629242  
Amount: 711  
Conc: 711



### Manual Integration Results

RT: 2.22  
Response: 1295588  
Amount: 94  
Conc: 94



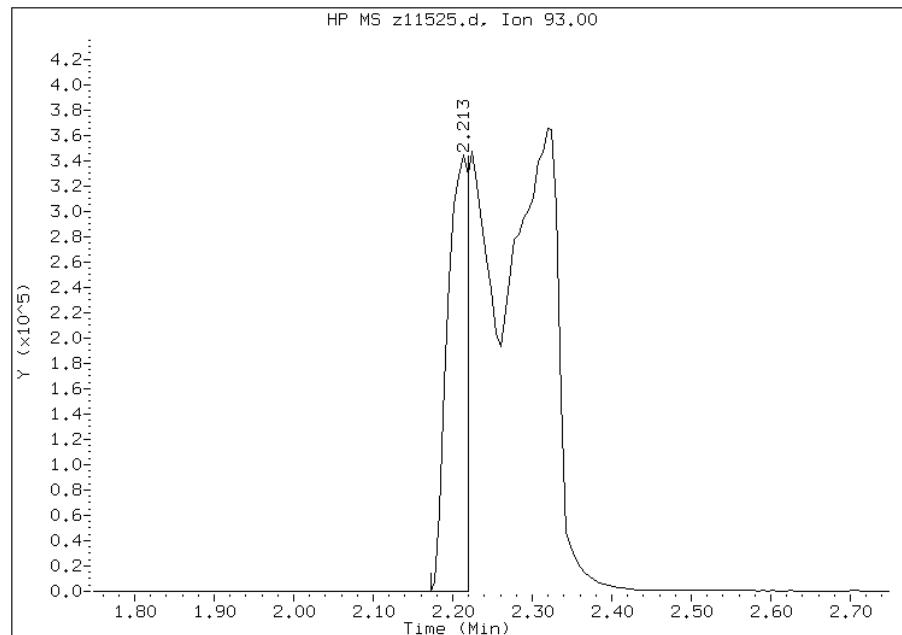
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11525.d  
Inj. Date and Time: 06-AUG-2012 13:26  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 20 bis(2-Chloroethyl)ether  
CAS #: 111-44-4  
Report Date: 08/07/2012

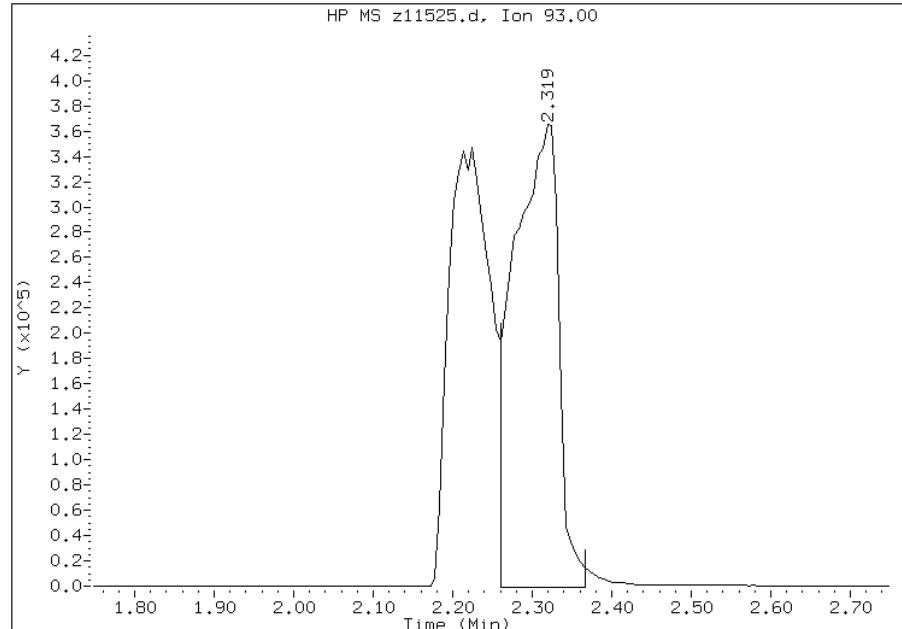
### Processing Integration Results

RT: 2.21  
Response: 629242  
Amount: 695  
Conc: 695



### Manual Integration Results

RT: 2.32  
Response: 1470217  
Amount: 121  
Conc: 121



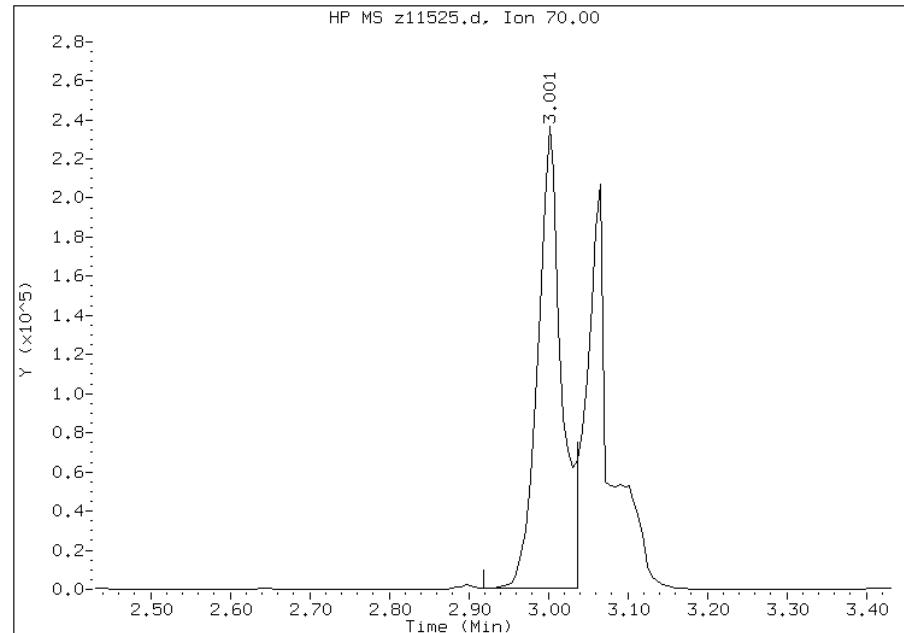
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11525.d  
Inj. Date and Time: 06-AUG-2012 13:26  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 25 N-Nitroso-di-n-propylamine  
CAS #: 621-64-7  
Report Date: 08/07/2012

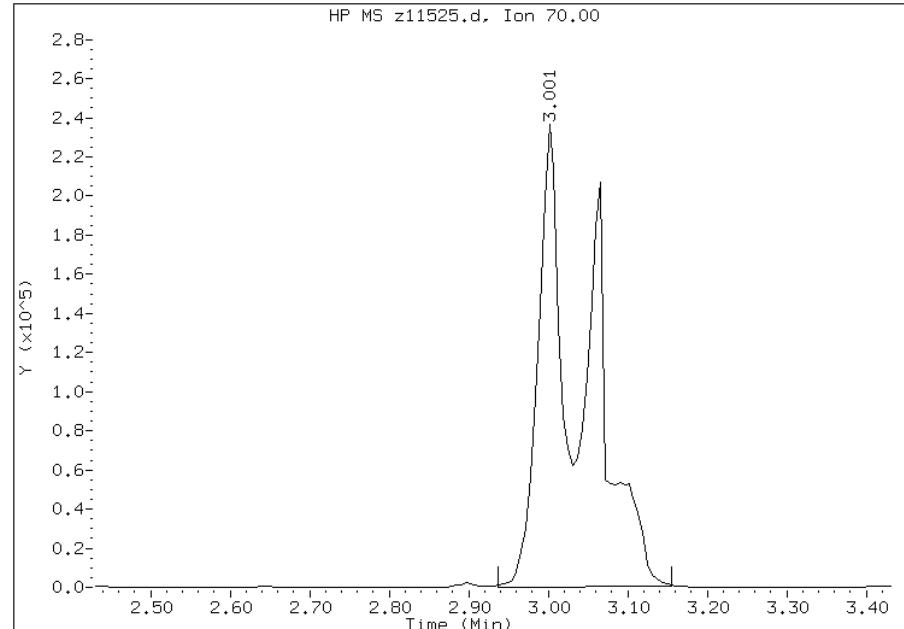
### Processing Integration Results

RT: 3.00  
Response: 501900  
Amount: 80  
Conc: 80



### Manual Integration Results

RT: 3.00  
Response: 918914  
Amount: 135  
Conc: 135



Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11525.d  
Inj. Date and Time: 06-AUG-2012 13:26  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/07/2012

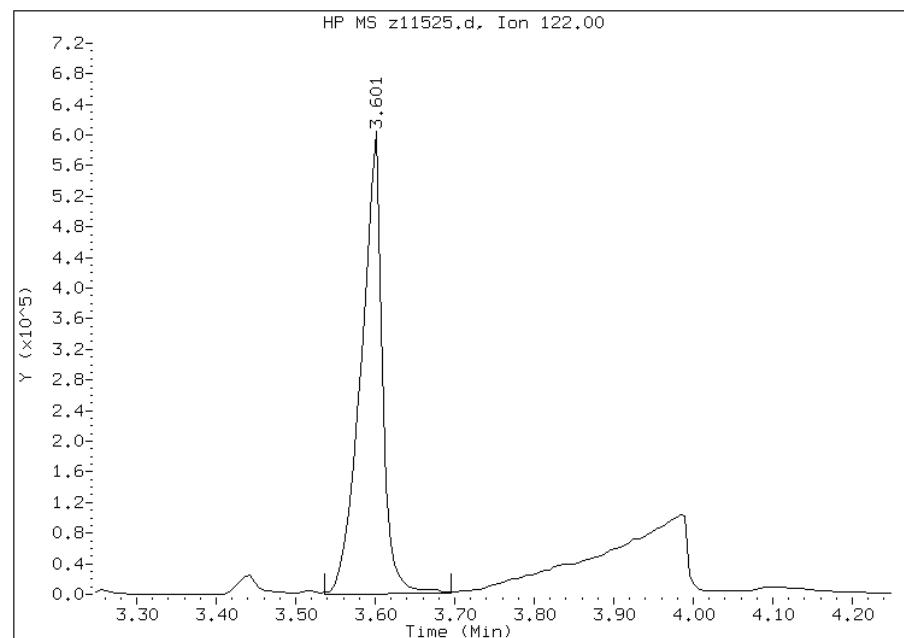
### Processing Integration Results

RT: 3.60

Response: 1109989

Amount: 182

Conc: 182



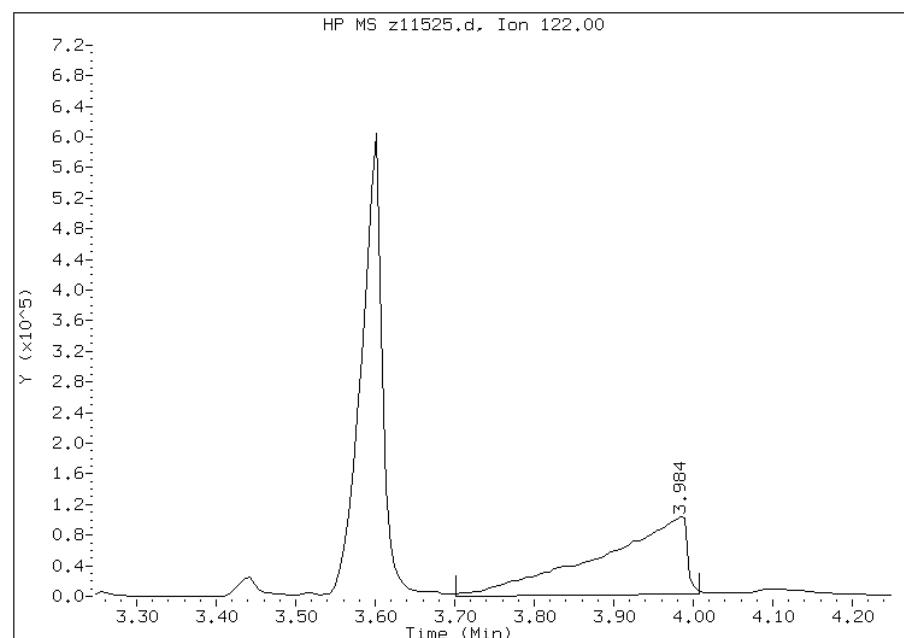
### Manual Integration Results

RT: 3.98

Response: 774866

Amount: 133

Conc: 133



Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11525.d  
Inj. Date and Time: 06-AUG-2012 13:26  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 111 Caprolactam  
CAS #: 105-60-2  
Report Date: 08/07/2012

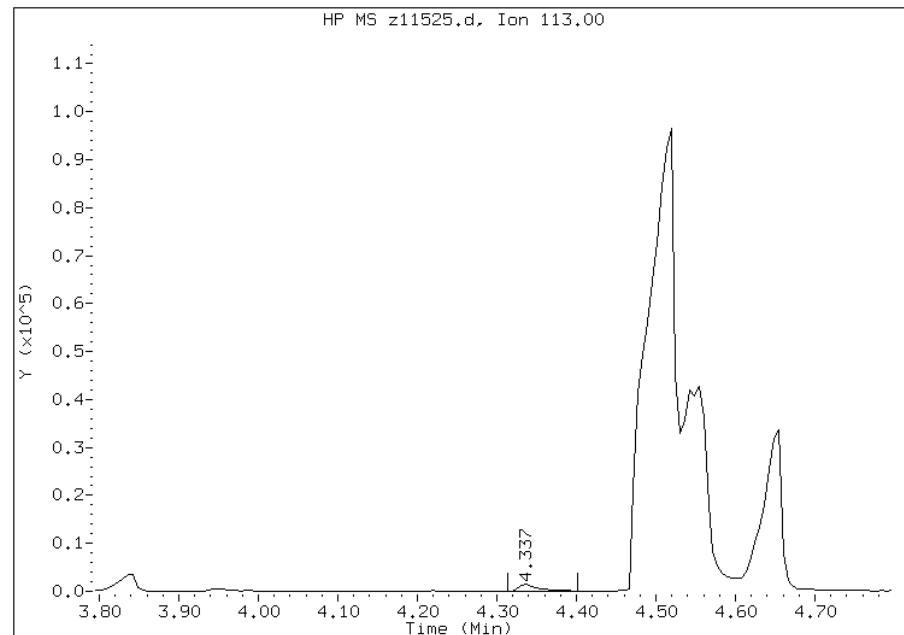
### Processing Integration Results

RT: 4.34

Response: 2647

Amount: 1

Conc: 1



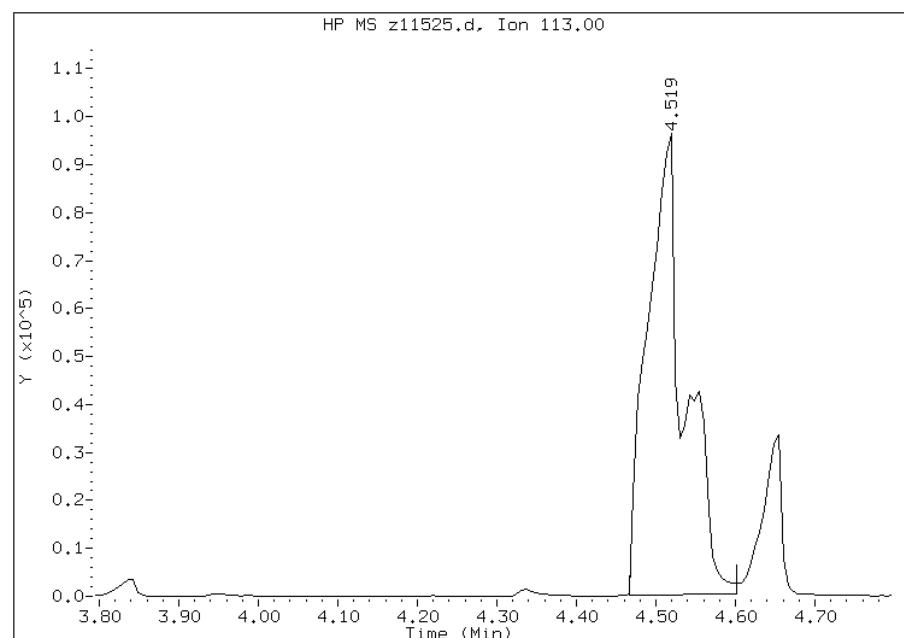
### Manual Integration Results

RT: 4.52

Response: 314452

Amount: 136

Conc: 136



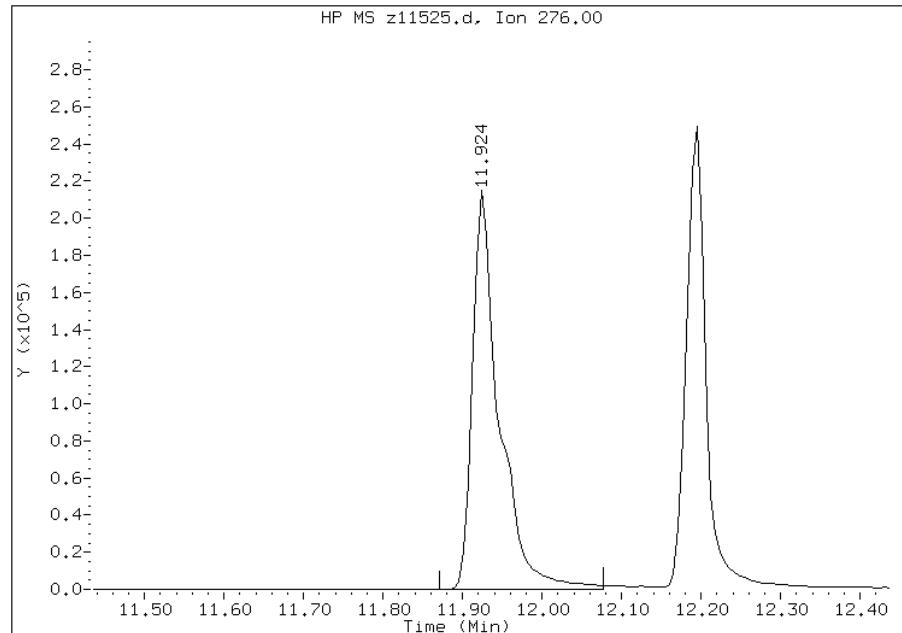
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11525.d  
Inj. Date and Time: 06-AUG-2012 13:26  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/07/2012

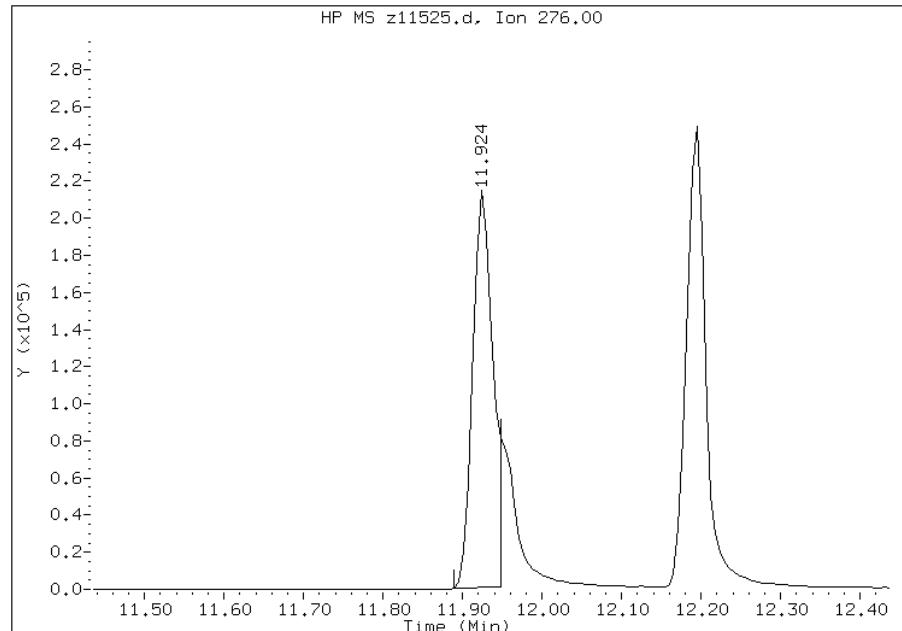
### Processing Integration Results

RT: 11.92  
Response: 499870  
Amount: 181  
Conc: 181



### Manual Integration Results

RT: 11.92  
Response: 383217  
Amount: 120  
Conc: 120



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11526.d  
Report Date: 07-Aug-2012 02:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11526.d  
Lab Smp Id: IC-1564256  
Inj Date : 06-AUG-2012 13:47  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : IC-1564256  
Misc Info : 80  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/8270C\_11.m  
Meth Date : 07-Aug-2012 02:12 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 13:47 Cal File: z11526.d  
Als bottle: 4 Calibration Sample, Level: 4  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	0.496	0.496	(0.201)		152756	80.0000	81
19 N-Nitrosodimethylamine	74	0.643	0.643	(0.260)		352853	80.0000	82(M)
71 Pyridine	79	0.649	0.649	(0.262)		614409	80.0000	80(M)
\$ 16 2-Fluorophenol (SUR)	112	1.431	1.431	(0.579)		654930	80.0000	77
110 Benzaldehyde	77	2.072	2.072	(0.838)		73636	80.0000	22
\$ 17 Phenol-d5 (SUR)	99	2.260	2.260	(0.914)		776127	80.0000	74
1 Phenol	94	2.272	2.272	(0.919)		822986	80.0000	74
73 Aniline	93	2.190	2.190	(0.886)		923231	80.0000	77
20 bis(2-Chloroethyl)ether	93	2.290	2.290	(0.926)		682811	80.0000	75
2 2-Chlorophenol	128	2.302	2.302	(0.931)		742319	80.0000	74
113 n-decane	43	2.378	2.378	(0.962)		595828	80.0000	72
21 1,3-Dichlorobenzene	146	2.419	2.419	(0.979)		816141	80.0000	77
* 79 1,4-Dichlorobenzene-d4	152	2.472	2.472	(1.000)		267164	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11526.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22 1,4-Dichlorobenzene	146	2.490	2.490	(1.007)		822543	80.0000	76
74 Benzyl Alcohol	108	2.690	2.690	(1.088)		451667	80.0000	91
23 1,2-Dichlorobenzene	146	2.631	2.631	(1.064)		788952	80.0000	77
3 2-Methylphenol	108	2.849	2.849	(1.152)		618142	80.0000	73
24 bis (2-chloroisopropyl) ether	45	2.807	2.807	(1.136)		825509	80.0000	75
4 4-Methylphenol	108	3.031	3.031	(1.226)		617925	80.0000	72
123 3 & 4 Methylphenol	108	3.031	3.031	(1.226)		617925	80.0000	75
104 Acetophenone	105	2.937	2.937	(1.188)		888381	80.0000	76
25 N-Nitroso-di-n-propylamine	70	2.978	2.978	(1.205)		407313	80.0000	68
26 Hexachloroethane	117	2.960	2.960	(1.197)		317693	80.0000	76
\$ 76 Nitrobenzene-d5 (SUR)	82	3.078	3.078	(0.808)		708396	80.0000	77
27 Nitrobenzene	77	3.107	3.107	(0.816)		873699	80.0000	74
107 N,N-Dimethylaniline	120	3.107	3.107	(1.257)		1033139	80.0000	76
28 Isophorone	82	3.384	3.384	(0.889)		1130631	80.0000	79
5 2-Nitrophenol	139	3.431	3.431	(0.901)		424716	80.0000	80
6 2,4-Dimethylphenol	122	3.584	3.584	(0.941)		616425	80.0000	77
29 bis(2-Chloroethoxy)methane	93	3.654	3.654	(0.960)		746597	80.0000	78
15 Benzoic Acid	122	3.925	3.925	(1.031)		414324	80.0000	80(M)
7 2,4-Dichlorophenol	162	3.725	3.725	(0.978)		539477	80.0000	75
30 1,2,4-Trichlorobenzene	180	3.766	3.766	(0.989)		644939	80.0000	78
* 80 Naphthalene-d8	136	3.807	3.807	(1.000)		1034013	40.0000	
31 Naphthalene	128	3.831	3.831	(1.006)		2073126	80.0000	76
32 4-Chloroaniline	127	3.943	3.943	(1.036)		766362	80.0000	75
33 Hexachlorobutadiene	225	3.990	3.990	(1.048)		349724	80.0000	76
111 Caprolactam	113	4.454	4.454	(1.170)		154938	80.0000	75
8 4-Chloro-3-methylphenol	107	4.543	4.543	(1.193)		465643	80.0000	72
34 2-Methylnaphthalene	142	4.548	4.548	(1.195)		1662427	80.0000	82
120 1-Methylnaphthalene	142	4.643	4.643	(1.219)		1292880	80.0000	74
35 Hexachlorocyclopentadiene	237	4.719	4.719	(0.849)		301164	80.0000	81
129 1,2,4,5-Tetrachlorobenzene	216	4.731	4.731	(0.851)		561706	80.0000	75
121 2-tert-Butyl-4-methylphenol	149	4.872	4.872	(1.280)		831040	80.0000	74
9 2,4,6-Trichlorophenol	196	4.884	4.884	(0.878)		358268	80.0000	76
10 2,4,5-Trichlorophenol	196	4.937	4.937	(0.888)		358797	80.0000	77
\$ 77 2-Fluorobiphenyl (SUR)	172	4.948	4.948	(0.890)		1314088	80.0000	76
102 Diphenyl	154	5.037	5.037	(0.906)		1371762	80.0000	75
36 2-Chloronaphthalene	162	5.025	5.025	(0.904)		1061945	80.0000	75
103 Diphenyl Ether	170	5.148	5.148	(0.926)		782028	80.0000	77
37 2-Nitroaniline	65	5.190	5.190	(0.933)		281734	80.0000	76
125 1,3-Dimethylnaphthalene	156	5.260	5.260	(0.946)		934880	80.0000	75
38 Dimethylphthalate	163	5.401	5.401	(0.971)		1069644	80.0000	76
114 Coumarin	146	5.372	5.372	(1.411)		362318	80.0000	75
40 2,6-Dinitrotoluene	165	5.448	5.448	(0.980)		248383	80.0000	76
39 Acenaphthylene	152	5.425	5.425	(0.976)		1659032	80.0000	76
41 3-Nitroaniline	138	5.595	5.595	(1.006)		244899	80.0000	73
* 82 Acenaphthene-d10	164	5.560	5.560	(1.000)		482384	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	5.672	5.672	(1.020)		851089	80.0000	74
42 Acenaphthene	154	5.595	5.595	(1.006)		995349	80.0000	76

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11526.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
11 2,4-Dinitrophenol	184	5.713	5.713 (1.028)		136791	80.0000	87
12 4-Nitrophenol	65	5.860	5.860 (1.054)		141670	80.0000	87
44 2,4-Dinitrotoluene	165	5.837	5.837 (1.050)		308071	80.0000	77
43 Dibenzofuran	168	5.772	5.772 (1.038)		1402489	80.0000	76
130 2,3,4,6-Tetrachlorophenol	232	5.931	5.931 (1.067)		247777	80.0000	79
45 Diethylphthalate	149	6.095	6.095 (1.096)		949025	80.0000	74
46 4-Chlorophenyl-phenylether	204	6.131	6.131 (1.103)		538476	80.0000	76
47 Fluorene	166	6.095	6.095 (1.096)		1079812	80.0000	75
48 4-Nitroaniline	138	6.201	6.201 (1.115)		197102	80.0000	71
13 4,6-Dinitro-2-methylphenol	198	6.237	6.237 (0.894)		167866	80.0000	84
49 N-Nitrosodiphenylamine	169	6.272	6.272 (0.899)		749514	80.0000	81
75 1,2-Diphenylhydrazine	77	6.284	6.284 (0.901)		1204794	80.0000	81
\$ 18 2,4,6-Tribromophenol (SUR)	330	6.337	6.337 (1.140)		165190	80.0000	79
50 4-Bromophenyl-phenylether	248	6.589	6.589 (0.944)		293948	80.0000	81
51 Hexachlorobenzene	284	6.625	6.625 (0.949)		320263	80.0000	81
112 Atrazine	200	6.837	6.837 (0.980)		234483	80.0000	80
14 Pentachlorophenol	266	6.848	6.848 (0.981)		154445	80.0000	80
132 Pentachloronitrobenzene	237	6.848	6.848 (0.981)		110392	80.0000	76
115 n-Octadecane	57	7.019	7.019 (1.006)		562207	80.0000	76
* 83 Phenanthrene-d10	188	6.978	6.978 (1.000)		585798	40.0000	
52 Phenanthrene	178	7.001	7.001 (1.003)		1250580	80.0000	77
53 Anthracene	178	7.054	7.054 (1.011)		1245849	80.0000	77
54 Carbazole	167	7.242	7.242 (1.038)		980458	80.0000	75
55 Di-n-butylphthalate	149	7.648	7.648 (1.096)		1304046	80.0000	79
56 Fluoranthene	202	8.125	8.125 (1.164)		1020843	80.0000	77
58 Benzidine	184	8.325	8.325 (1.193)		9318	80.0000	4.4(aM)
57 Pyrene	202	8.325	8.325 (0.877)		974544	80.0000	81
\$ 78 Terphenyl-d14	244	8.542	8.542 (0.900)		686159	80.0000	82
59 Butylbenzylphthalate	149	9.060	9.060 (0.955)		373938	80.0000	83
124 Carbamazepine	193	9.107	9.107 (0.960)		210115	80.0000	81
60 3,3'-Dichlorobenzidine	252	9.501	9.501 (1.001)		132770	80.0000	76
61 Benzo(a)anthracene	228	9.483	9.483 (0.999)		548865	80.0000	76
* 81 Chrysene-d12	240	9.489	9.489 (1.000)		242621	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.648	9.648 (1.017)		495695	80.0000	85
62 Chrysene	228	9.513	9.513 (1.002)		574271	80.0000	80
64 Di-n-octylphthalate	149	10.242	10.242 (0.947)		591833	80.0000	85
65 Benzo(b)fluoranthene	252	10.460	10.460 (0.967)		383929	80.0000	88
66 Benzo(k)fluoranthene	252	10.489	10.489 (0.970)		385039	80.0000	75
67 Benzo(a)pyrene	252	10.760	10.760 (0.995)		280942	80.0000	82
* 84 Perylene-d12	264	10.819	10.819 (1.000)		138023	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.919	11.919 (1.102)		204412	80.0000	77(M)
69 Dibenz(a,h)anthracene	278	11.948	11.948 (1.104)		242926	80.0000	80
70 Benzo(g,h,i)perylene	276	12.183	12.183 (1.126)		244513	80.0000	86

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11526.d  
Report Date: 07-Aug-2012 02:12

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.

Data File: z11526.d

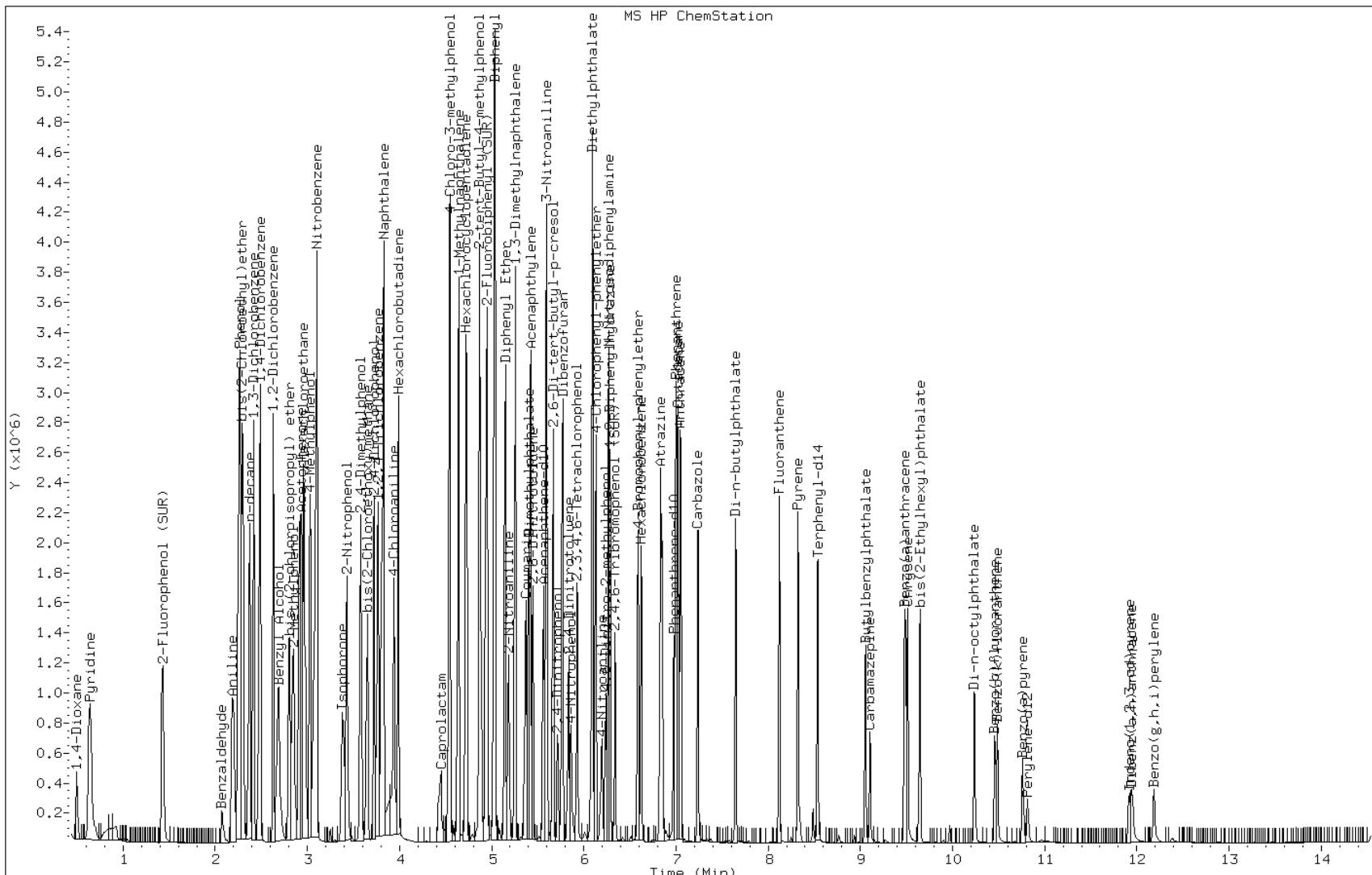
Date: 06-AUG-2012 13:47

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1564256

Operator: BNAMS 4

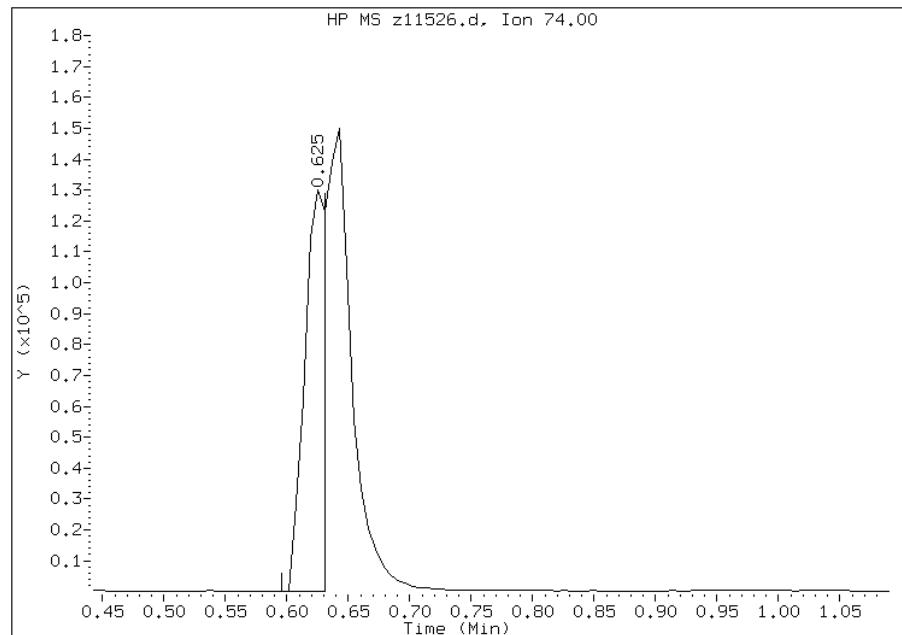


## Manual Integration Report

Data File: z11526.d  
Inj. Date and Time: 06-AUG-2012 13:47  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 19 N-Nitrosodimethylamine  
CAS #: 62-75-9  
Report Date: 08/07/2012

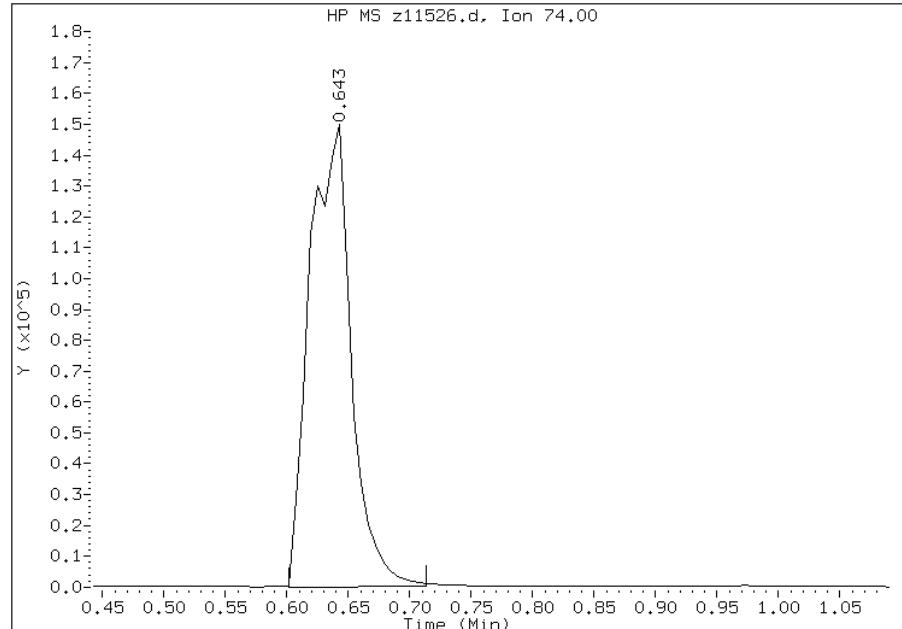
### Processing Integration Results

RT: 0.63  
Response: 161575  
Amount: 45  
Conc: 45



### Manual Integration Results

RT: 0.64  
Response: 352853  
Amount: 82  
Conc: 82



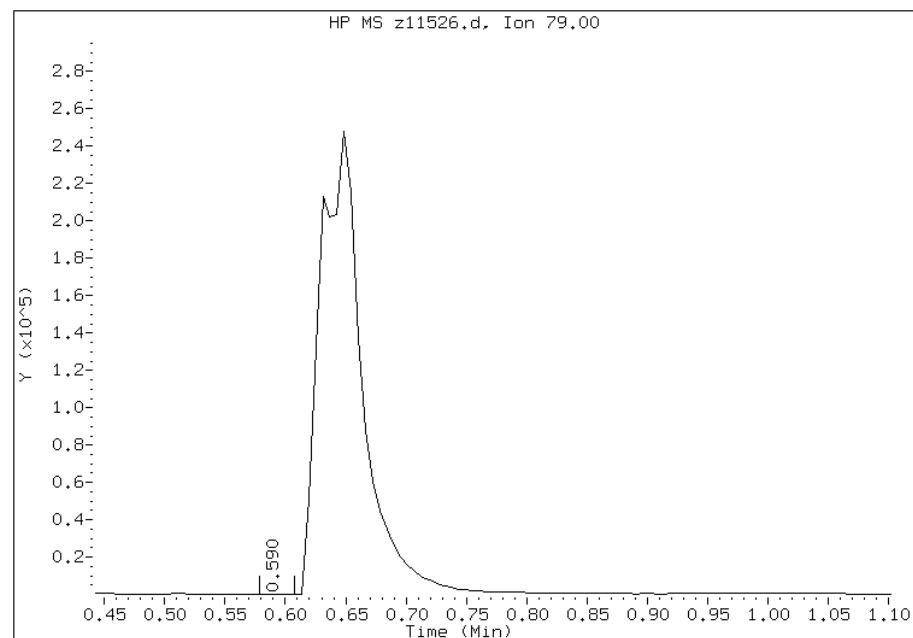
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11526.d  
Inj. Date and Time: 06-AUG-2012 13:47  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 71 Pyridine  
CAS #: 110-86-1  
Report Date: 08/07/2012

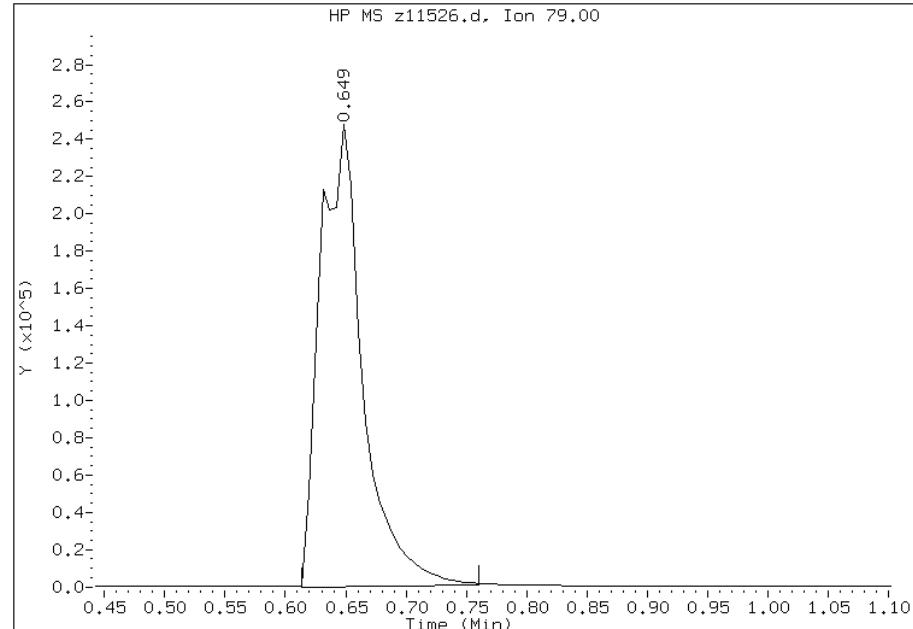
### Processing Integration Results

RT: 0.59  
Response: 98  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 0.65  
Response: 614409  
Amount: 80  
Conc: 80



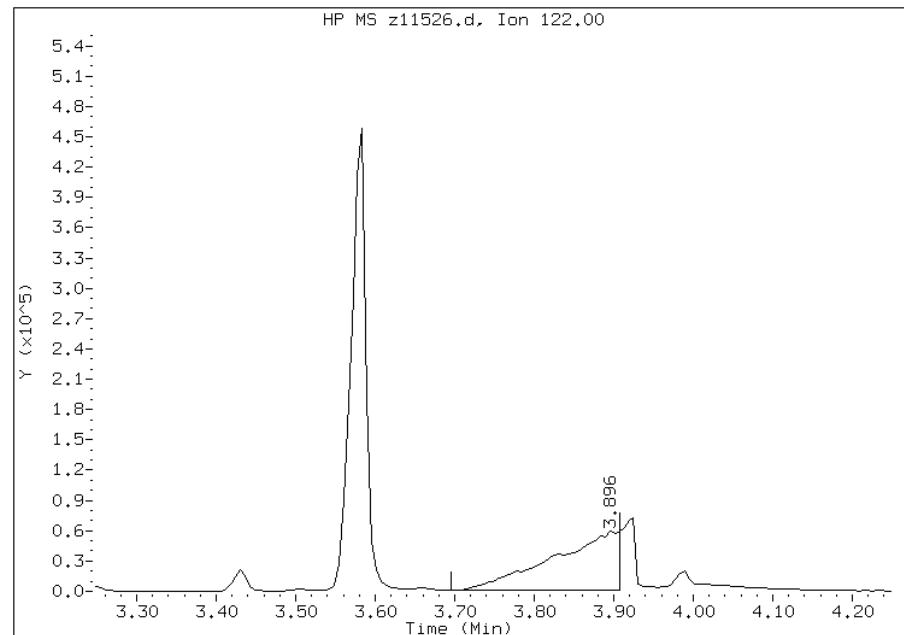
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11526.d  
Inj. Date and Time: 06-AUG-2012 13:47  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/07/2012

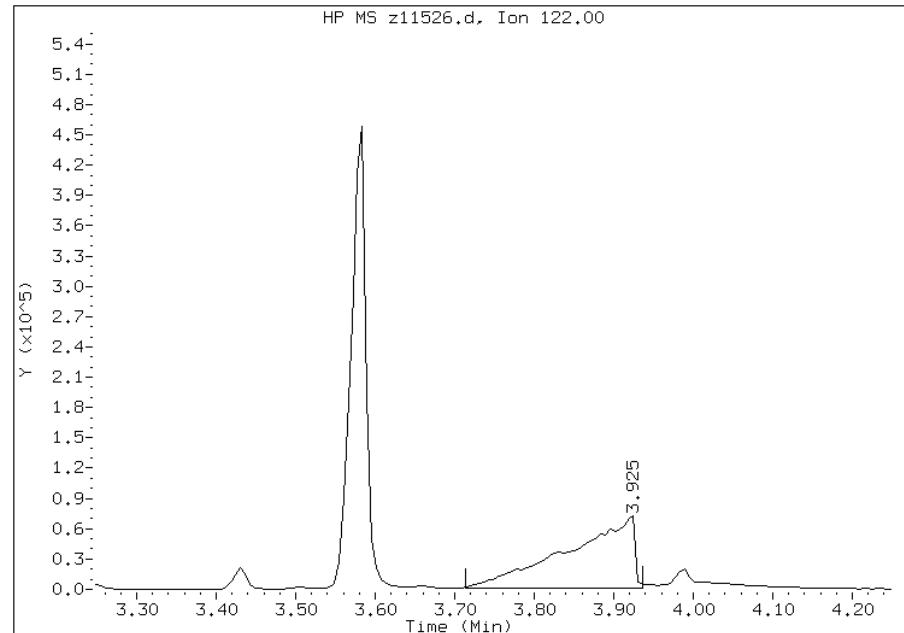
### Processing Integration Results

RT: 3.90  
Response: 339972  
Amount: 68  
Conc: 68



### Manual Integration Results

RT: 3.92  
Response: 414324  
Amount: 80  
Conc: 80



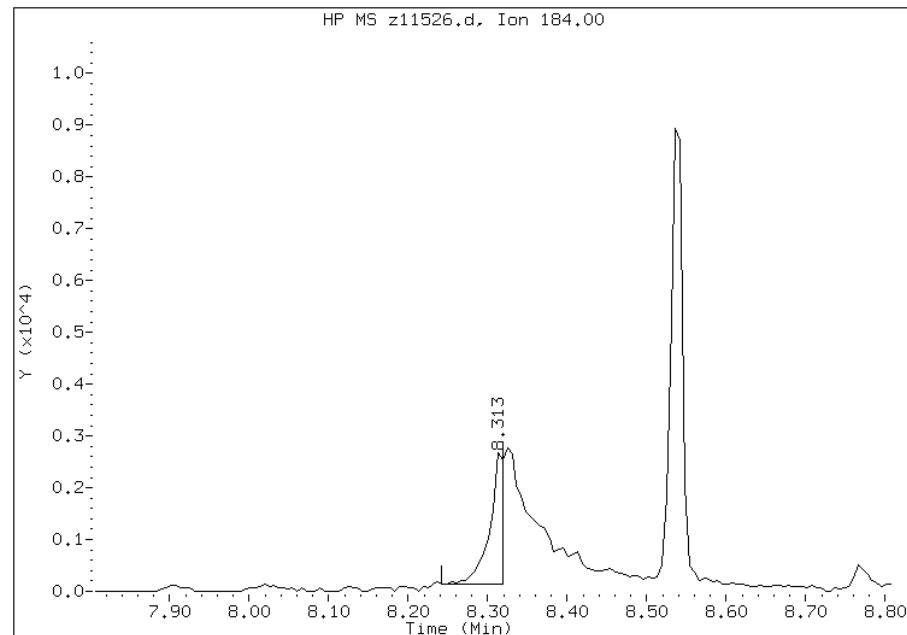
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11526.d  
Inj. Date and Time: 06-AUG-2012 13:47  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 58 Benzidine  
CAS #: 92-87-5  
Report Date: 08/07/2012

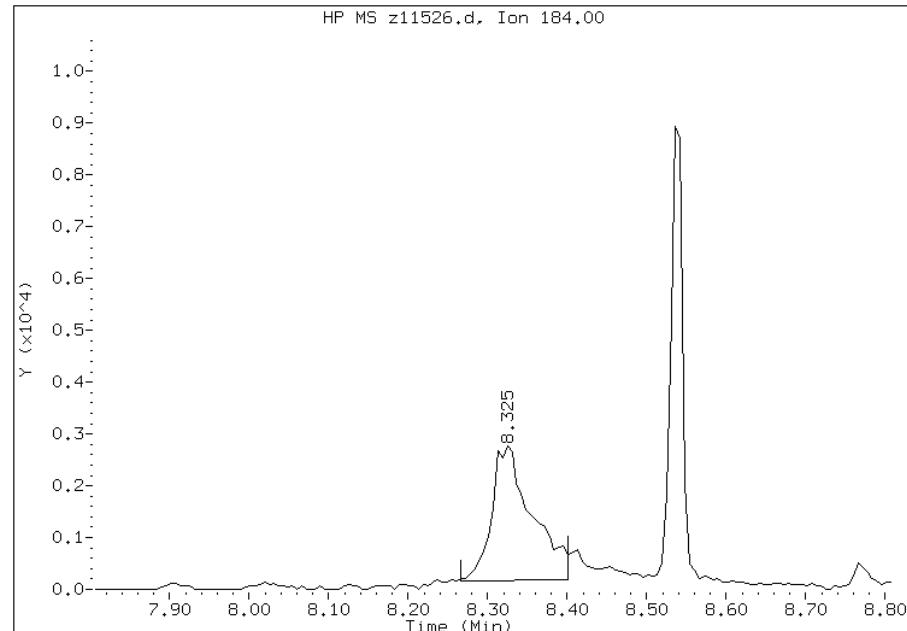
### Processing Integration Results

RT: 8.31  
Response: 3105  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 8.32  
Response: 9318  
Amount: 4  
Conc: 4



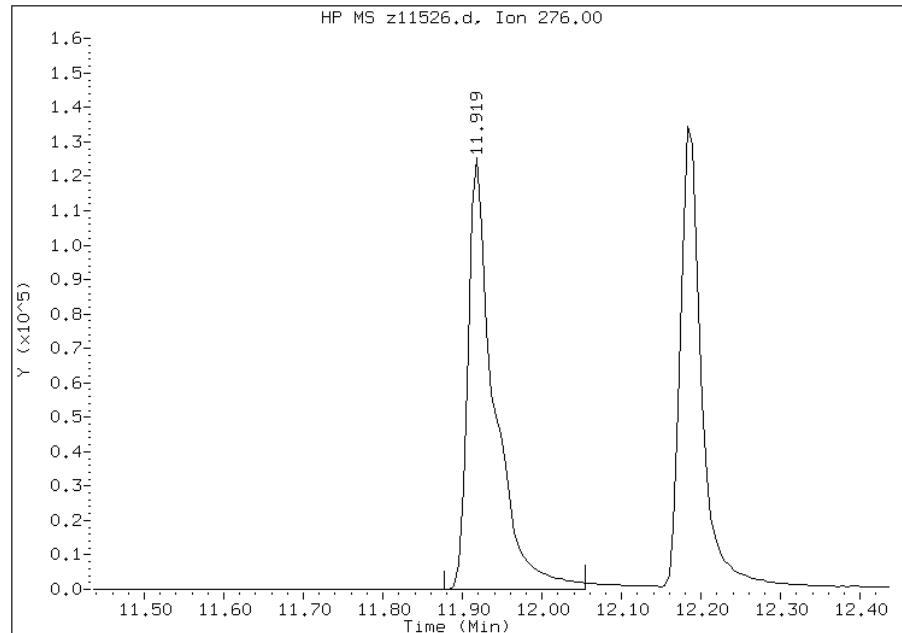
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11526.d  
Inj. Date and Time: 06-AUG-2012 13:47  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/07/2012

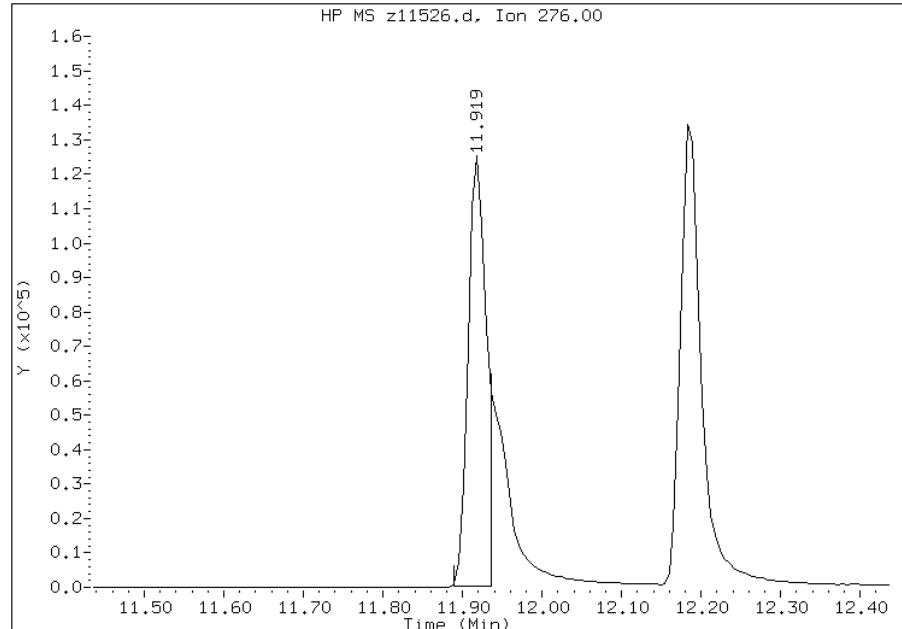
### Processing Integration Results

RT: 11.92  
Response: 290819  
Amount: 112  
Conc: 112



### Manual Integration Results

RT: 11.92  
Response: 204412  
Amount: 77  
Conc: 77



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11527.d  
Report Date: 07-Aug-2012 02:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11527.d  
Lab Smp Id: IC-1564212  
Inj Date : 06-AUG-2012 14:07  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : IC-1564212  
Misc Info : 20  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/8270C\_11.m  
Meth Date : 07-Aug-2012 02:12 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 14:07 Cal File: z11527.d  
Als bottle: 5 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT
=====	====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	0.478	0.478 (0.194)		34150	20.0000	19
19 N-Nitrosodimethylamine	74	0.578	0.578 (0.235)		95570	20.0000	20
71 Pyridine	79	0.584	0.584 (0.237)		164617	20.0000	19
\$ 16 2-Fluorophenol (SUR)	112	1.390	1.390 (0.565)		195216	20.0000	20
110 Benzaldehyde	77	2.055	2.055 (0.835)		78519	20.0000	21
\$ 17 Phenol-d5 (SUR)	99	2.219	2.219 (0.902)		248688	20.0000	21
1 Phenol	94	2.231	2.231 (0.907)		267698	20.0000	21
73 Aniline	93	2.166	2.166 (0.880)		276741	20.0000	20
20 bis(2-Chloroethyl)ether	93	2.255	2.255 (0.916)		206706	20.0000	23
2 2-Chlorophenol	128	2.272	2.272 (0.924)		240171	20.0000	21
113 n-decane	43	2.360	2.360 (0.959)		196503	20.0000	21
21 1,3-Dichlorobenzene	146	2.402	2.402 (0.976)		235681	20.0000	20
* 79 1,4-Dichlorobenzene-d4	152	2.460	2.460 (1.000)		301590	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11527.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	2.478	2.478 (1.007)		242678	20.0000	20
74 Benzyl Alcohol	108	2.654	2.654 (1.079)		125371	20.0000	22
23 1,2-Dichlorobenzene	146	2.619	2.619 (1.065)		230403	20.0000	20
3 2-Methylphenol	108	2.819	2.819 (1.146)		196697	20.0000	21
24 bis (2-chloroisopropyl) ether	45	2.790	2.790 (1.134)		251862	20.0000	20
4 4-Methylphenol	108	2.996	2.996 (1.218)		205841	20.0000	21
123 3 & 4 Methylphenol	108	2.996	2.996 (1.218)		201519	20.0000	22
104 Acetophenone	105	2.907	2.907 (1.182)		270096	20.0000	20
25 N-Nitroso-di-n-propylamine	70	2.943	2.943 (1.196)		133093	20.0000	20
26 Hexachloroethane	117	2.949	2.949 (1.198)		95288	20.0000	20
\$ 76 Nitrobenzene-d5 (SUR)	82	3.049	3.049 (0.803)		218348	20.0000	21
27 Nitrobenzene	77	3.072	3.072 (0.809)		279820	20.0000	21
107 N,N-Dimethylaniline	120	3.078	3.078 (1.251)		318116	20.0000	21
28 Isophorone	82	3.349	3.349 (0.882)		328914	20.0000	20
5 2-Nitrophenol	139	3.419	3.419 (0.901)		122360	20.0000	20
6 2,4-Dimethylphenol	122	3.554	3.554 (0.936)		192321	20.0000	21
29 bis(2-Chloroethoxy)methane	93	3.631	3.631 (0.957)		214083	20.0000	20
15 Benzoic Acid	122	3.819	3.819 (1.006)		131053	20.0000	22
7 2,4-Dichlorophenol	162	3.707	3.707 (0.977)		172878	20.0000	21
30 1,2,4-Trichlorobenzene	180	3.754	3.754 (0.989)		187151	20.0000	20
* 80 Naphthalene-d8	136	3.796	3.796 (1.000)		1168883	40.0000	
31 Naphthalene	128	3.813	3.813 (1.005)		624755	20.0000	20
32 4-Chloroaniline	127	3.925	3.925 (1.034)		236749	20.0000	20
33 Hexachlorobutadiene	225	3.978	3.978 (1.048)		105135	20.0000	20
111 Caprolactam	113	4.354	4.354 (1.147)		47802	20.0000	20(H)
8 4-Chloro-3-methylphenol	107	4.519	4.519 (1.191)		159889	20.0000	22
34 2-Methylnaphthalene	142	4.537	4.537 (1.195)		431218	20.0000	19
120 1-Methylnaphthalene	142	4.631	4.631 (1.220)		415816	20.0000	21
35 Hexachlorocyclopentadiene	237	4.713	4.713 (0.849)		72787	20.0000	19
129 1,2,4,5-Tetrachlorobenzene	216	4.719	4.719 (0.850)		179043	20.0000	20
121 2-tert-Butyl-4-methylphenol	149	4.854	4.854 (1.279)		279161	20.0000	22
9 2,4,6-Trichlorophenol	196	4.866	4.866 (0.876)		112429	20.0000	21
10 2,4,5-Trichlorophenol	196	4.919	4.919 (0.886)		116183	20.0000	21
\$ 77 2-Fluorobiphenyl (SUR)	172	4.937	4.937 (0.889)		412936	20.0000	20
102 Diphenyl	154	5.025	5.025 (0.905)		446612	20.0000	21
36 2-Chloronaphthalene	162	5.013	5.013 (0.903)		334531	20.0000	20
103 Diphenyl Ether	170	5.137	5.137 (0.925)		233166	20.0000	20
37 2-Nitroaniline	65	5.166	5.166 (0.930)		88105	20.0000	20
125 1,3-Dimethylnaphthalene	156	5.243	5.243 (0.944)		301101	20.0000	21
38 Dimethylphthalate	163	5.384	5.384 (0.969)		333256	20.0000	20
114 Coumarin	146	5.348	5.348 (1.409)		118650	20.0000	22
40 2,6-Dinitrotoluene	165	5.431	5.431 (0.978)		79203	20.0000	21
39 Acenaphthylene	152	5.407	5.407 (0.974)		509466	20.0000	20
41 3-Nitroaniline	138	5.578	5.578 (1.004)		82167	20.0000	21
* 82 Acenaphthene-d10	164	5.554	5.554 (1.000)		561670	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	5.660	5.660 (1.019)		290148	20.0000	22
42 Acenaphthene	154	5.584	5.584 (1.005)		303528	20.0000	20

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11527.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
11 2,4-Dinitrophenol	184	5.701	5.701 (1.026)		56127	30.0000	31
12 4-Nitrophenol	65	5.843	5.843 (1.052)		63762	30.0000	34
44 2,4-Dinitrotoluene	165	5.819	5.819 (1.048)		95174	20.0000	20
43 Dibenzofuran	168	5.760	5.760 (1.037)		435273	20.0000	20
130 2,3,4,6-Tetrachlorophenol	232	5.919	5.919 (1.066)		75327	20.0000	21
45 Diethylphthalate	149	6.078	6.078 (1.094)		314895	20.0000	21
46 4-Chlorophenyl-phenylether	204	6.119	6.119 (1.102)		166804	20.0000	20
47 Fluorene	166	6.084	6.084 (1.095)		345984	20.0000	21
48 4-Nitroaniline	138	6.172	6.172 (1.111)		69417	20.0000	22
13 4,6-Dinitro-2-methylphenol	198	6.219	6.219 (0.892)		76427	30.0000	30
49 N-Nitrosodiphenylamine	169	6.254	6.254 (0.897)		232783	20.0000	20
75 1,2-Diphenylhydrazine	77	6.272	6.272 (0.900)		396990	20.0000	21
\$ 18 2,4,6-Tribromophenol (SUR)	330	6.325	6.325 (1.139)		51176	20.0000	21
50 4-Bromophenyl-phenylether	248	6.578	6.578 (0.943)		88617	20.0000	19
51 Hexachlorobenzene	284	6.613	6.613 (0.949)		97482	20.0000	19
112 Atrazine	200	6.819	6.819 (0.978)		77129	20.0000	21(H)
14 Pentachlorophenol	266	6.837	6.837 (0.981)		70447	30.0000	29
132 Pentachloronitrobenzene	237	6.837	6.837 (0.981)		38275	20.0000	21
115 n-Octadecane	57	7.013	7.013 (1.006)		198351	20.0000	21
* 83 Phenanthrene-d10	188	6.972	6.972 (1.000)		743220	40.0000	
52 Phenanthrene	178	6.989	6.989 (1.003)		414440	20.0000	20
53 Anthracene	178	7.037	7.037 (1.009)		421607	20.0000	20
54 Carbazole	167	7.231	7.231 (1.037)		340921	20.0000	21
55 Di-n-butylphthalate	149	7.642	7.642 (1.096)		423804	20.0000	20
56 Fluoranthene	202	8.119	8.119 (1.165)		344438	20.0000	20
58 Benzidine	184	8.301	8.301 (1.191)		87765	30.0000	33
57 Pyrene	202	8.319	8.319 (0.877)		341224	20.0000	19
\$ 78 Terphenyl-d14	244	8.536	8.536 (0.900)		242342	20.0000	20
59 Butylbenzylphthalate	149	9.054	9.054 (0.954)		129636	20.0000	20
124 Carbamazepine	193	9.101	9.101 (0.959)		77880	20.0000	20
60 3,3'-Dichlorobenzidine	252	9.501	9.501 (1.001)		99506	30.0000	32
61 Benzo(a)anthracene	228	9.478	9.478 (0.999)		206568	20.0000	19
* 81 Chrysene-d12	240	9.489	9.489 (1.000)		357455	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.642	9.642 (1.016)		167794	20.0000	20
62 Chrysene	228	9.507	9.507 (1.002)		205782	20.0000	19
64 Di-n-octylphthalate	149	10.236	10.236 (0.947)		216462	20.0000	21
65 Benzo(b)fluoranthene	252	10.460	10.460 (0.967)		134440	20.0000	21
66 Benzo(k)fluoranthene	252	10.483	10.483 (0.970)		149138	20.0000	20
67 Benzo(a)pyrene	252	10.760	10.760 (0.995)		103565	20.0000	20
* 84 Perylene-d12	264	10.813	10.813 (1.000)		205589	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.919	11.919 (1.102)		63250	20.0000	18(M)
69 Dibenz(a,h)anthracene	278	11.948	11.948 (1.105)		76399	20.0000	19
70 Benzo(g,h,i)perylene	276	12.183	12.183 (1.127)		78894	20.0000	18

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11527.d  
Report Date: 07-Aug-2012 02:12

QC Flag Legend

M - Compound response manually integrated.  
H - Operator selected an alternate compound hit.

Data File: z11527.d

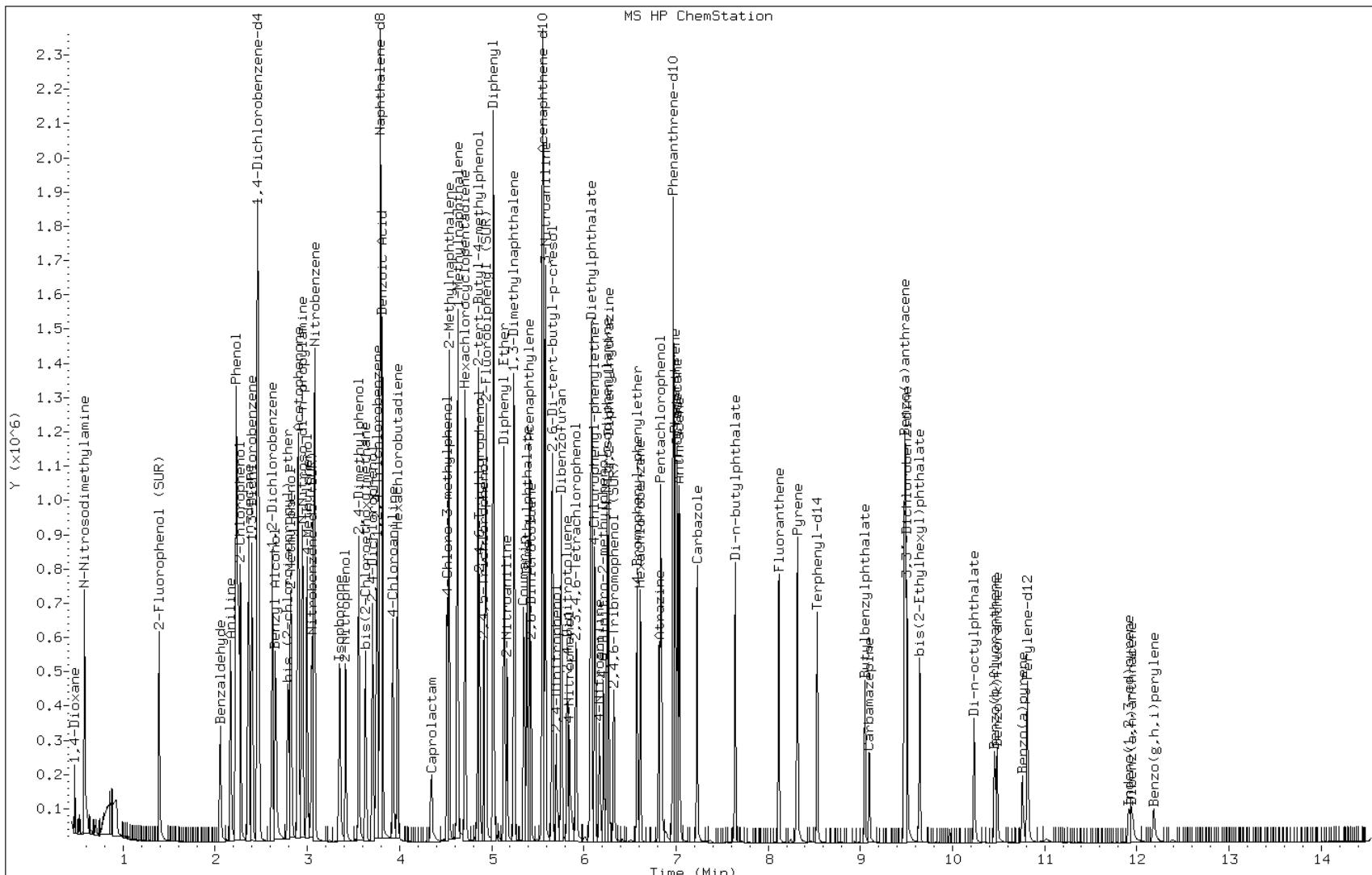
Date: 06-AUG-2012 14:07

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1564212

Operator: BNAMS 4

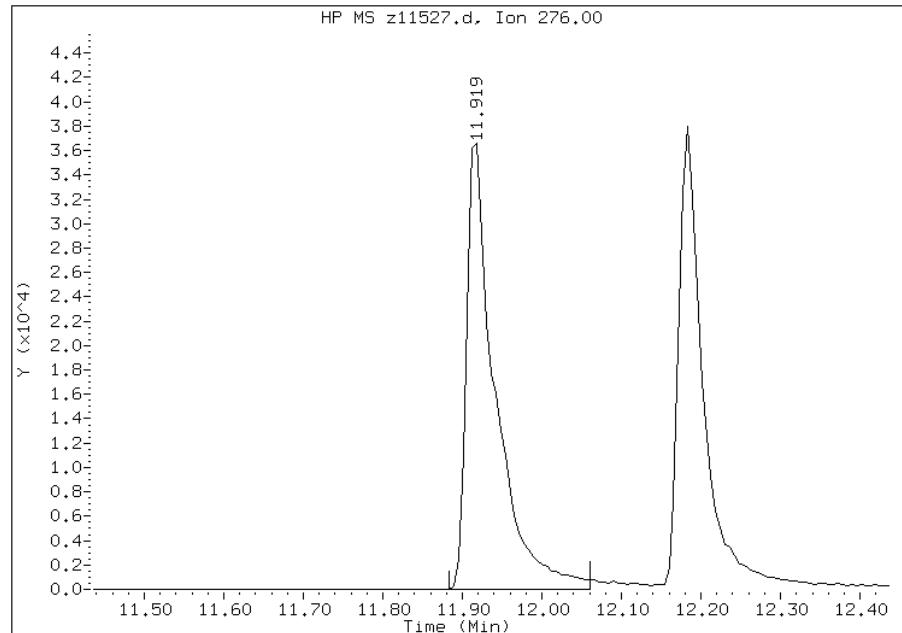


## Manual Integration Report

Data File: z11527.d  
Inj. Date and Time: 06-AUG-2012 14:07  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/07/2012

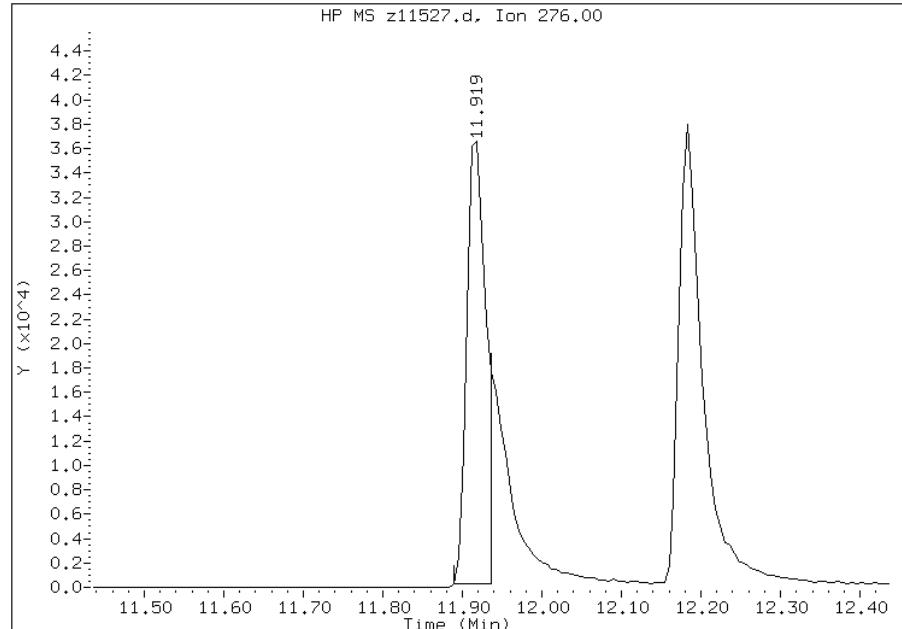
### Processing Integration Results

RT: 11.92  
Response: 93938  
Amount: 24  
Conc: 24



### Manual Integration Results

RT: 11.92  
Response: 63250  
Amount: 19  
Conc: 19



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11528.d  
Report Date: 07-Aug-2012 02:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11528.d  
Lab Smp Id: IC-1564209  
Inj Date : 06-AUG-2012 15:20  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : IC-1564209  
Misc Info : 10  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/8270C\_11.m  
Meth Date : 07-Aug-2012 02:12 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:20 Cal File: z11528.d  
Als bottle: 6 Calibration Sample, Level: 6  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT
=====	====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	0.478	0.478 (0.195)		14446	10.0000	9.1
19 N-Nitrosodimethylamine	74	0.572	0.572 (0.233)		46025	10.0000	10
71 Pyridine	79	0.584	0.584 (0.238)		77655	10.0000	9.8
\$ 16 2-Fluorophenol (SUR)	112	1.390	1.390 (0.566)		87235	10.0000	10
110 Benzaldehyde	77	2.049	2.049 (0.835)		41827	10.0000	12
\$ 17 Phenol-d5 (SUR)	99	2.213	2.213 (0.902)		111784	10.0000	10
1 Phenol	94	2.219	2.219 (0.904)		118364	10.0000	10
73 Aniline	93	2.160	2.160 (0.880)		131835	10.0000	11
20 bis(2-Chloroethyl)ether	93	2.249	2.249 (0.916)		96403	10.0000	12
2 2-Chlorophenol	128	2.266	2.266 (0.923)		105994	10.0000	10
113 n-decane	43	2.354	2.354 (0.959)		87540	10.0000	10
21 1,3-Dichlorobenzene	146	2.396	2.396 (0.976)		113621	10.0000	10
* 79 1,4-Dichlorobenzene-d4	152	2.454	2.454 (1.000)		276214	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11528.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	2.472	2.472 (1.007)		115078	10.0000	10
74 Benzyl Alcohol	108	2.648	2.648 (1.079)		54695	10.0000	11
23 1,2-Dichlorobenzene	146	2.613	2.613 (1.065)		107779	10.0000	10
3 2-Methylphenol	108	2.813	2.813 (1.146)		87028	10.0000	10
24 bis (2-chloroisopropyl) ether	45	2.784	2.784 (1.134)		120400	10.0000	11
4 4-Methylphenol	108	2.990	2.990 (1.218)		89283	10.0000	10
123 3 & 4 Methylphenol	108	2.990	2.990 (1.218)		88711	10.0000	10
104 Acetophenone	105	2.896	2.896 (1.180)		126082	10.0000	10
25 N-Nitroso-di-n-propylamine	70	2.925	2.925 (1.192)		63825	10.0000	10
26 Hexachloroethane	117	2.948	2.948 (1.201)		45531	10.0000	10
\$ 76 Nitrobenzene-d5 (SUR)	82	3.043	3.043 (0.803)		97573	10.0000	10
27 Nitrobenzene	77	3.060	3.060 (0.808)		131065	10.0000	11
107 N,N-Dimethylaniline	120	3.072	3.072 (1.252)		146887	10.0000	10
28 Isophorone	82	3.343	3.343 (0.882)		155223	10.0000	10
5 2-Nitrophenol	139	3.413	3.413 (0.901)		53243	10.0000	9.6
6 2,4-Dimethylphenol	122	3.548	3.548 (0.936)		86653	10.0000	10
29 bis(2-Chloroethoxy)methane	93	3.625	3.625 (0.957)		103069	10.0000	10
15 Benzoic Acid	122	3.772	3.772 (0.995)		55346	10.0000	10
7 2,4-Dichlorophenol	162	3.701	3.701 (0.977)		74301	10.0000	9.9
30 1,2,4-Trichlorobenzene	180	3.754	3.754 (0.991)		89850	10.0000	10
* 80 Naphthalene-d8	136	3.790	3.790 (1.000)		1081087	40.0000	
31 Naphthalene	128	3.807	3.807 (1.005)		297761	10.0000	10
32 4-Chloroaniline	127	3.925	3.925 (1.036)		112387	10.0000	10
33 Hexachlorobutadiene	225	3.978	3.978 (1.050)		50594	10.0000	10
111 Caprolactam	113	4.313	4.313 (1.138)		21756	10.0000	10(H)
8 4-Chloro-3-methylphenol	107	4.513	4.513 (1.191)		72749	10.0000	11
34 2-Methylnaphthalene	142	4.537	4.537 (1.197)		209184	10.0000	9.8
120 1-Methylnaphthalene	142	4.625	4.625 (1.220)		186043	10.0000	10
35 Hexachlorocyclopentadiene	237	4.707	4.707 (0.848)		27248	10.0000	7.8
129 1,2,4,5-Tetrachlorobenzene	216	4.713	4.713 (0.849)		80597	10.0000	9.9
121 2-tert-Butyl-4-methylphenol	149	4.848	4.848 (1.279)		122191	10.0000	10
9 2,4,6-Trichlorophenol	196	4.866	4.866 (0.876)		49585	10.0000	9.8
10 2,4,5-Trichlorophenol	196	4.913	4.913 (0.885)		50638	10.0000	10
\$ 77 2-Fluorobiphenyl (SUR)	172	4.937	4.937 (0.889)		187617	10.0000	10
102 Diphenyl	154	5.019	5.019 (0.904)		212246	10.0000	11
36 2-Chloronaphthalene	162	5.013	5.013 (0.903)		160547	10.0000	10
103 Diphenyl Ether	170	5.137	5.137 (0.925)		112233	10.0000	10
37 2-Nitroaniline	65	5.160	5.160 (0.929)		42334	10.0000	10
125 1,3-Dimethylnaphthalene	156	5.242	5.242 (0.944)		135447	10.0000	10
38 Dimethylphthalate	163	5.378	5.378 (0.968)		158844	10.0000	10
114 Coumarin	146	5.342	5.342 (1.410)		50094	10.0000	9.9
40 2,6-Dinitrotoluene	165	5.425	5.425 (0.977)		37469	10.0000	10
39 Acenaphthylene	152	5.407	5.407 (0.974)		248955	10.0000	10
41 3-Nitroaniline	138	5.572	5.572 (1.003)		38530	10.0000	10
* 82 Acenaphthene-d10	164	5.554	5.554 (1.000)		522903	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	5.660	5.660 (1.019)		125392	10.0000	10
42 Acenaphthene	154	5.584	5.584 (1.005)		149674	10.0000	10

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11528.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	5.701	5.701 (1.026)			28700	20.0000	17
12 4-Nitrophenol	65	5.842	5.842 (1.052)			35162	20.0000	20
44 2,4-Dinitrotoluene	165	5.819	5.819 (1.048)			45442	10.0000	10
43 Dibenzofuran	168	5.754	5.754 (1.036)			210785	10.0000	10
130 2,3,4,6-Tetrachlorophenol	232	5.913	5.913 (1.065)			33915	10.0000	10
45 Diethylphthalate	149	6.072	6.072 (1.093)			149727	10.0000	11
46 4-Chlorophenyl-phenylether	204	6.119	6.119 (1.102)			79139	10.0000	10
47 Fluorene	166	6.084	6.084 (1.095)			167967	10.0000	11
48 4-Nitroaniline	138	6.166	6.166 (1.110)			33502	10.0000	11
13 4,6-Dinitro-2-methylphenol	198	6.213	6.213 (0.891)			44152	20.0000	18
49 N-Nitrosodiphenylamine	169	6.248	6.248 (0.896)			105076	10.0000	9.5
75 1,2-Diphenylhydrazine	77	6.272	6.272 (0.900)			178217	10.0000	10
\$ 18 2,4,6-Tribromophenol (SUR)	330	6.325	6.325 (1.139)			23956	10.0000	11
50 4-Bromophenyl-phenylether	248	6.578	6.578 (0.943)			42274	10.0000	9.7
51 Hexachlorobenzene	284	6.613	6.613 (0.949)			46920	10.0000	9.9
112 Atrazine	200	6.813	6.813 (0.977)			35486	10.0000	10(H)
14 Pentachlorophenol	266	6.836	6.836 (0.981)			46174	20.0000	20
132 Pentachloronitrobenzene	237	6.836	6.836 (0.981)			17716	10.0000	10
115 n-Octadecane	57	7.013	7.013 (1.006)			84911	10.0000	9.6
* 83 Phenanthrene-d10	188	6.972	6.972 (1.000)			698378	40.0000	
52 Phenanthrene	178	6.989	6.989 (1.003)			195501	10.0000	10
53 Anthracene	178	7.036	7.036 (1.009)			200816	10.0000	10
54 Carbazole	167	7.231	7.231 (1.037)			165393	10.0000	11
55 Di-n-butylphthalate	149	7.642	7.642 (1.096)			201637	10.0000	10
56 Fluoranthene	202	8.119	8.119 (1.165)			169279	10.0000	11
58 Benzidine	184	8.307	8.307 (1.192)			100264	20.0000	40
57 Pyrene	202	8.319	8.319 (0.877)			167267	10.0000	9.6
\$ 78 Terphenyl-d14	244	8.536	8.536 (0.900)			111297	10.0000	9.1
59 Butylbenzylphthalate	149	9.054	9.054 (0.954)			62696	10.0000	9.6
124 Carbamazepine	193	9.101	9.101 (0.959)			35273	10.0000	9.4
60 3,3'-Dichlorobenzidine	252	9.507	9.507 (1.002)			70815	20.0000	22
61 Benzo(a)anthracene	228	9.477	9.477 (0.999)			103957	10.0000	9.9
* 81 Chrysene-d12	240	9.489	9.489 (1.000)			352623	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.648	9.648 (1.017)			82892	10.0000	9.8
62 Chrysene	228	9.513	9.513 (1.002)			110110	10.0000	10
64 Di-n-octylphthalate	149	10.242	10.242 (0.947)			106259	10.0000	9.8
65 Benzo(b)fluoranthene	252	10.460	10.460 (0.967)			62086	10.0000	9.2
66 Benzo(k)fluoranthene	252	10.489	10.489 (0.970)			91020	10.0000	12
67 Benzo(a)pyrene	252	10.766	10.766 (0.995)			55220	10.0000	10
* 84 Perylene-d12	264	10.819	10.819 (1.000)			213462	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.924	11.924 (1.102)			29892	10.0000	8.6(M)
69 Dibenz(a,h)anthracene	278	11.954	11.954 (1.105)			37532	10.0000	9.1
70 Benzo(g,h,i)perylene	276	12.195	12.195 (1.127)			40537	10.0000	9.2

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11528.d  
Report Date: 07-Aug-2012 02:12

QC Flag Legend

M - Compound response manually integrated.  
H - Operator selected an alternate compound hit.

Data File: z11528.d

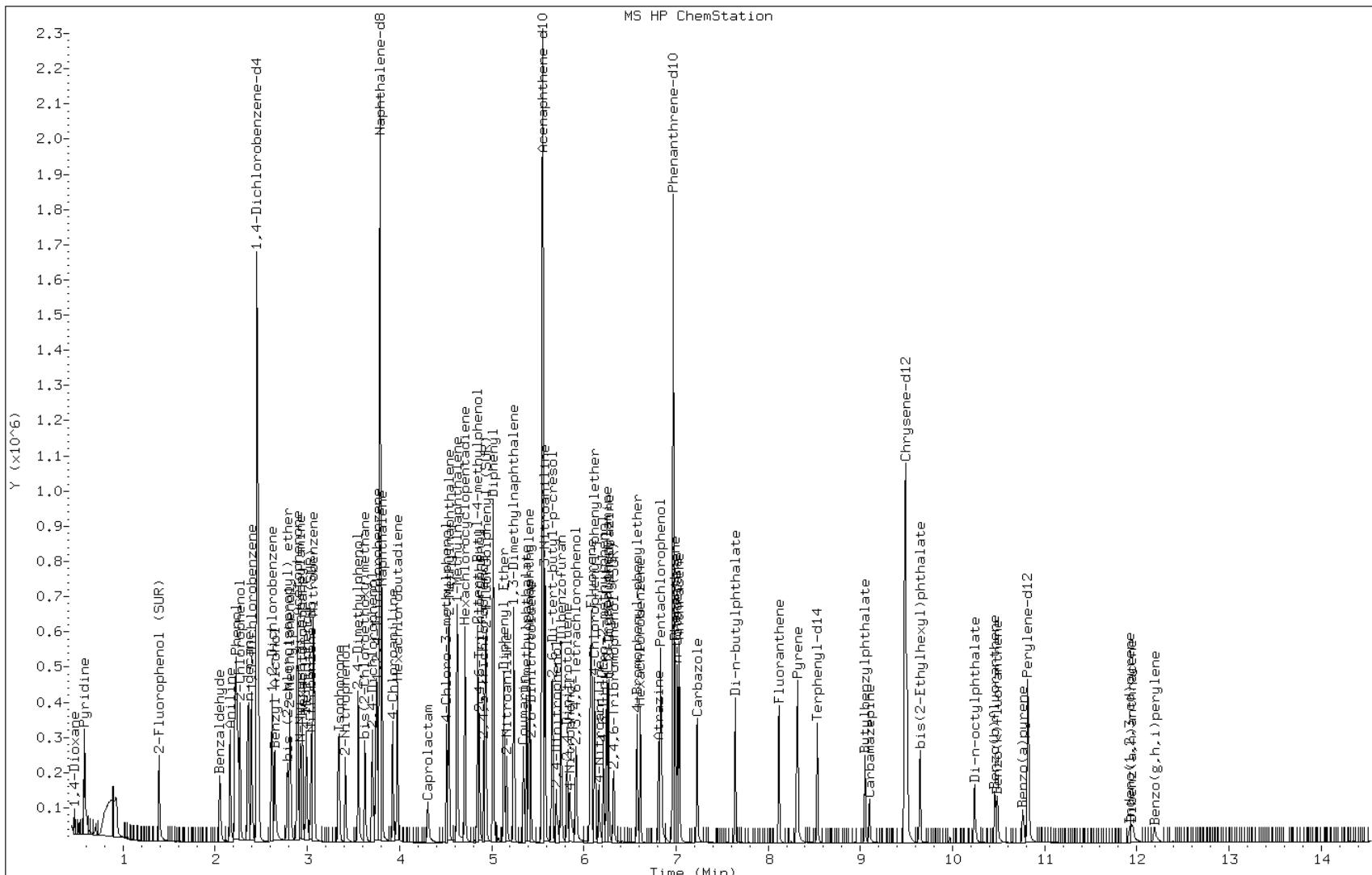
Date: 06-AUG-2012 15:20

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1564209

Operator: BNAMS 4

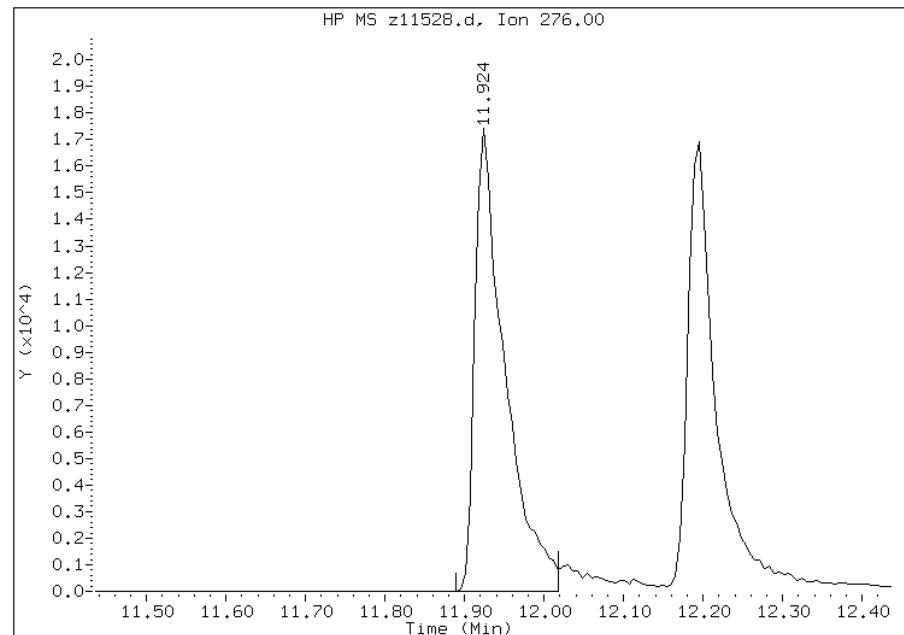


## Manual Integration Report

Data File: z11528.d  
Inj. Date and Time: 06-AUG-2012 15:20  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/07/2012

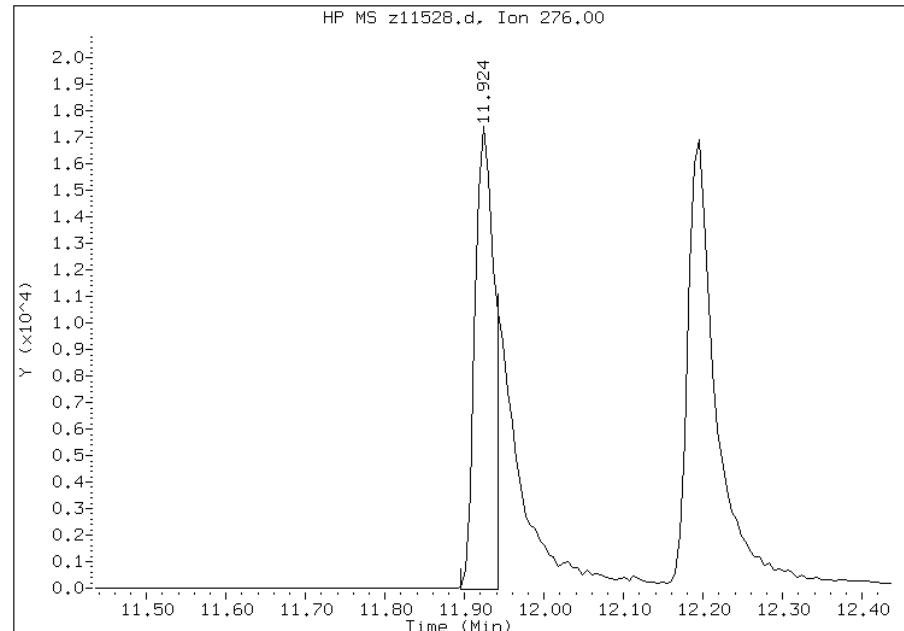
### Processing Integration Results

RT: 11.92  
Response: 45834  
Amount: 12  
Conc: 12



### Manual Integration Results

RT: 11.92  
Response: 29892  
Amount: 9  
Conc: 9



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11529.d  
Report Date: 07-Aug-2012 02:12

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11529.d  
Lab Smp Id: IC-1564202  
Inj Date : 06-AUG-2012 15:40  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : IC-1564202  
Misc Info : 5  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/8270C\_11.m  
Meth Date : 07-Aug-2012 02:12 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 7 Calibration Sample, Level: 1  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
106 1,4-Dioxane	88	0.484	0.484 (0.197)		12336	5.00000	6.8
19 N-Nitrosodimethylamine	74	0.590	0.590 (0.240)		23391	5.00000	4.6(a)
71 Pyridine	79	0.602	0.602 (0.245)		48786	5.00000	5.4(H)
\$ 16 2-Fluorophenol (SUR)	112	1.396	1.396 (0.567)		48593	5.00000	4.8(a)
110 Benzaldehyde	77	2.054	2.054 (0.835)		31966	5.00000	8.2
\$ 17 Phenol-d5 (SUR)	99	2.213	2.213 (0.900)		64602	5.00000	5.2
1 Phenol	94	2.225	2.225 (0.904)		67577	5.00000	5.1
73 Aniline	93	2.160	2.160 (0.878)		80685	5.00000	5.7
20 bis(2-Chloroethyl)ether	93	2.249	2.249 (0.914)		7931	0.50000	0.86(H)
2 2-Chlorophenol	128	2.272	2.272 (0.923)		62226	5.00000	5.2
113 n-decane	43	2.360	2.360 (0.959)		54465	5.00000	5.6
21 1,3-Dichlorobenzene	146	2.396	2.396 (0.974)		66129	5.00000	5.2
* 79 1,4-Dichlorobenzene-d4	152	2.460	2.460 (1.000)		317224	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11529.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	2.472	2.472 (1.005)		67136	5.00000	5.2
74 Benzyl Alcohol	108	2.649	2.649 (1.077)		31057	5.00000	5.2
23 1,2-Dichlorobenzene	146	2.619	2.619 (1.065)		63362	5.00000	5.2
3 2-Methylphenol	108	2.813	2.813 (1.143)		50593	5.00000	5.0
24 bis (2-chloroisopropyl) ether	45	2.790	2.790 (1.134)		70250	5.00000	5.4
4 4-Methylphenol	108	2.990	2.990 (1.215)		53870	5.00000	5.3
123 3 & 4 Methylphenol	108	2.990	2.990 (1.215)		51089	5.00000	5.2
104 Acetophenone	105	2.896	2.896 (1.177)		72254	5.00000	5.2
25 N-Nitroso-di-n-propylamine	70	2.931	2.931 (1.191)		3658	0.50000	0.52
26 Hexachloroethane	117	2.949	2.949 (1.198)		2706	0.50000	0.55
\$ 76 Nitrobenzene-d5 (SUR)	82	3.043	3.043 (0.803)		56149	5.00000	5.0
27 Nitrobenzene	77	3.066	3.066 (0.809)		8620	0.50000	0.60
107 N,N-Dimethylaniline	120	3.072	3.072 (1.249)		8258	0.50000	0.51
28 Isophorone	82	3.343	3.343 (0.882)		94059	5.00000	5.4
5 2-Nitrophenol	139	3.413	3.413 (0.901)		30530	5.00000	4.7(a)
6 2,4-Dimethylphenol	122	3.548	3.548 (0.936)		51717	5.00000	5.3
29 bis(2-Chloroethoxy)methane	93	3.625	3.625 (0.957)		60671	5.00000	5.2
15 Benzoic Acid	122	3.748	3.748 (0.989)		26847	5.00000	4.2(a)
7 2,4-Dichlorophenol	162	3.707	3.707 (0.978)		45008	5.00000	5.1
30 1,2,4-Trichlorobenzene	180	3.754	3.754 (0.991)		5171	0.50000	0.51
* 80 Naphthalene-d8	136	3.790	3.790 (1.000)		1264116	40.0000	
31 Naphthalene	128	3.807	3.807 (1.005)		177662	5.00000	5.3
32 4-Chloroaniline	127	3.925	3.925 (1.036)		67978	5.00000	5.5
33 Hexachlorobutadiene	225	3.978	3.978 (1.050)		6203	1.00000	1.1
111 Caprolactam	113	4.295	4.295 (1.133)		11732	5.00000	4.6(aH)
8 4-Chloro-3-methylphenol	107	4.513	4.513 (1.191)		43575	5.00000	5.5
34 2-Methylnaphthalene	142	4.537	4.537 (1.197)		126060	5.00000	5.1
120 1-Methylnaphthalene	142	4.625	4.625 (1.220)		116414	5.00000	5.4(a)
35 Hexachlorocyclopentadiene	237	4.707	4.707 (0.848)		15494	5.00000	3.7(a)
129 1,2,4,5-Tetrachlorobenzene	216	4.713	4.713 (0.849)		49310	5.00000	5.1
121 2-tert-Butyl-4-methylphenol	149	4.848	4.848 (1.279)		76678	5.00000	5.6
9 2,4,6-Trichlorophenol	196	4.866	4.866 (0.876)		30214	5.00000	5.0
10 2,4,5-Trichlorophenol	196	4.913	4.913 (0.885)		31112	5.00000	5.2
\$ 77 2-Fluorobiphenyl (SUR)	172	4.931	4.931 (0.888)		114839	5.00000	5.1
102 Diphenyl	154	5.019	5.019 (0.904)		125390	5.00000	5.3
36 2-Chloronaphthalene	162	5.013	5.013 (0.903)		97416	5.00000	5.3
103 Diphenyl Ether	170	5.131	5.131 (0.924)		68122	5.00000	5.2
37 2-Nitroaniline	65	5.160	5.160 (0.929)		51942	10.0000	11
125 1,3-Dimethylnaphthalene	156	5.242	5.242 (0.944)		83734	5.00000	5.2
38 Dimethylphthalate	163	5.378	5.378 (0.968)		98809	5.00000	5.4
114 Coumarin	146	5.342	5.342 (1.410)		32232	5.00000	5.4
40 2,6-Dinitrotoluene	165	5.425	5.425 (0.977)		4493	1.00000	1.1
39 Acenaphthylene	152	5.407	5.407 (0.974)		156989	5.00000	5.5
41 3-Nitroaniline	138	5.572	5.572 (1.003)		49684	10.0000	11
* 82 Acenaphthene-d10	164	5.554	5.554 (1.000)		625314	40.0000	
122 2,6-Di-tert-butyl-p-cresol	205	5.654	5.654 (1.018)		79199	5.00000	5.3
42 Acenaphthene	154	5.578	5.578 (1.004)		91366	5.00000	5.4

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11529.d  
 Report Date: 07-Aug-2012 02:12

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	5.701	5.701 (1.026)			27010	15.0000	13(a)
12 4-Nitrophenol	65	5.842	5.842 (1.052)			32910	15.0000	16
44 2,4-Dinitrotoluene	165	5.825	5.825 (1.049)			5429	1.00000	1.0
43 Dibenzofuran	168	5.754	5.754 (1.036)			129430	5.00000	5.4
130 2,3,4,6-Tetrachlorophenol	232	5.913	5.913 (1.065)			21223	5.00000	5.2
45 Diethylphthalate	149	6.072	6.072 (1.093)			92458	5.00000	5.6
46 4-Chlorophenyl-phenylether	204	6.119	6.119 (1.102)			49943	5.00000	5.4
47 Fluorene	166	6.084	6.084 (1.095)			102588	5.00000	5.5
48 4-Nitroaniline	138	6.160	6.160 (1.109)			40475	10.0000	11
13 4,6-Dinitro-2-methylphenol	198	6.213	6.213 (0.891)			40582	15.0000	14(a)
49 N-Nitrosodiphenylamine	169	6.248	6.248 (0.896)			67975	5.00000	5.1
75 1,2-Diphenylhydrazine	77	6.266	6.266 (0.899)			94684	5.00000	4.4(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	6.325	6.325 (1.139)			14196	5.00000	5.2
50 4-Bromophenyl-phenylether	248	6.578	6.578 (0.943)			26784	5.00000	5.1
51 Hexachlorobenzene	284	6.613	6.613 (0.949)			2943	0.50000	0.51
112 Atrazine	200	6.807	6.807 (0.976)			21547	5.00000	5.1(H)
14 Pentachlorophenol	266	6.836	6.836 (0.981)			41250	15.0000	15
132 Pentachloronitrobenzene	237	6.831	6.831 (0.980)			11638	5.00000	5.5
115 n-Octadecane	57	7.013	7.013 (1.006)			56755	5.00000	5.3
* 83 Phenanthrene-d10	188	6.972	6.972 (1.000)			848866	40.0000	
52 Phenanthrene	178	6.989	6.989 (1.003)			122693	5.00000	5.2
53 Anthracene	178	7.037	7.037 (1.009)			124718	5.00000	5.3
54 Carbazole	167	7.225	7.225 (1.036)			102616	5.00000	5.4
55 Di-n-butylphthalate	149	7.642	7.642 (1.096)			124026	5.00000	5.2
56 Fluoranthene	202	8.113	8.113 (1.164)			104024	5.00000	5.4
58 Benzidine	184	8.307	8.307 (1.192)			24895	5.00000	8.2
57 Pyrene	202	8.319	8.319 (0.877)			100604	5.00000	5.0
\$ 78 Terphenyl-d14	244	8.531	8.531 (0.900)			66368	5.00000	4.7(a)
59 Butylbenzylphthalate	149	9.048	9.048 (0.954)			36627	5.00000	4.8(a)
124 Carbamazepine	193	9.095	9.095 (0.959)			19050	5.00000	4.4(a)
60 3,3'-Dichlorobenzidine	252	9.501	9.501 (1.002)			39595	10.0000	9.6(a)
61 Benzo(a)anthracene	228	9.478	9.478 (0.999)			6727	0.50000	0.56
* 81 Chrysene-d12	240	9.483	9.483 (1.000)			406112	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.642	9.642 (1.017)			46512	5.00000	4.8(a)
62 Chrysene	228	9.507	9.507 (1.002)			59722	5.00000	5.0
64 Di-n-octylphthalate	149	10.236	10.236 (0.947)			54854	5.00000	4.5(a)
65 Benzo(b)fluoranthene	252	10.466	10.466 (0.968)			3302	0.50000	0.43(a)
66 Benzo(k)fluoranthene	252	10.489	10.489 (0.970)			4105	0.50000	0.46(a)
67 Benzo(a)pyrene	252	10.766	10.766 (0.996)			2562	0.50000	0.42(a)
* 84 Perylene-d12	264	10.813	10.813 (1.000)			242808	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.936	11.936 (1.104)			1815	0.50000	0.46(aM)
69 Dibenz(a,h)anthracene	278	11.960	11.960 (1.106)			1682	0.50000	0.36(aM)
70 Benzo(g,h,i)perylene	276	12.195	12.195 (1.128)			20661	5.00000	4.1(a)

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11529.d  
Report Date: 07-Aug-2012 02:12

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11529.d

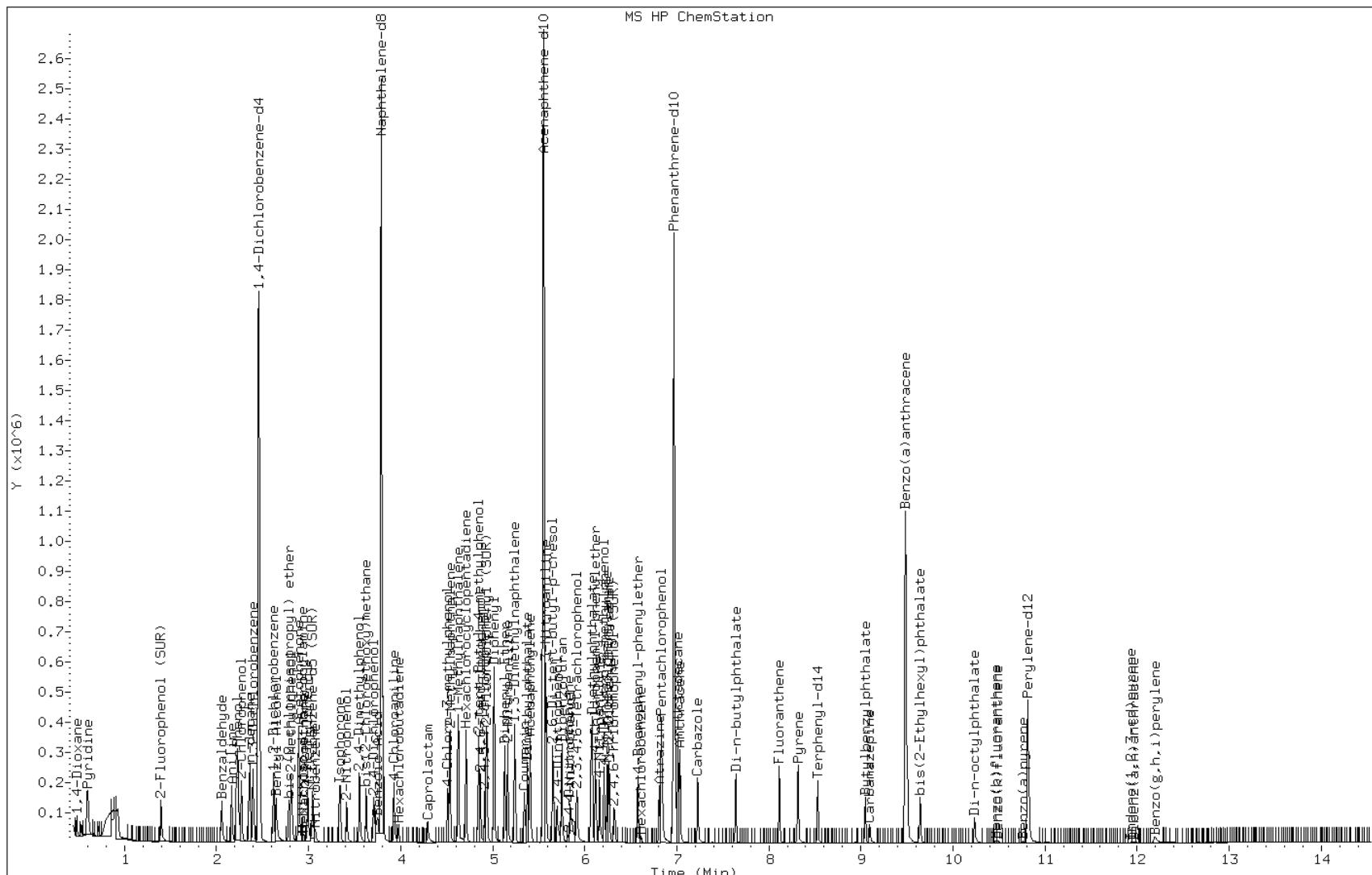
Date: 06-AUG-2012 15:40

Client ID:

Instrument: BNAMS11.i

Sample Info: IC-1564202

Operator: BNAMS 4

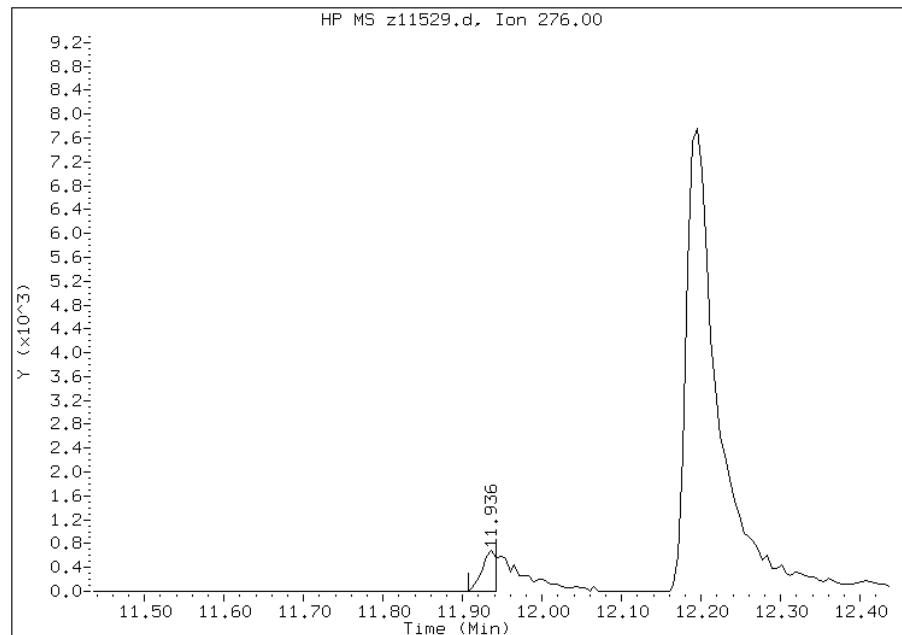


## Manual Integration Report

Data File: z11529.d  
Inj. Date and Time: 06-AUG-2012 15:40  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/07/2012

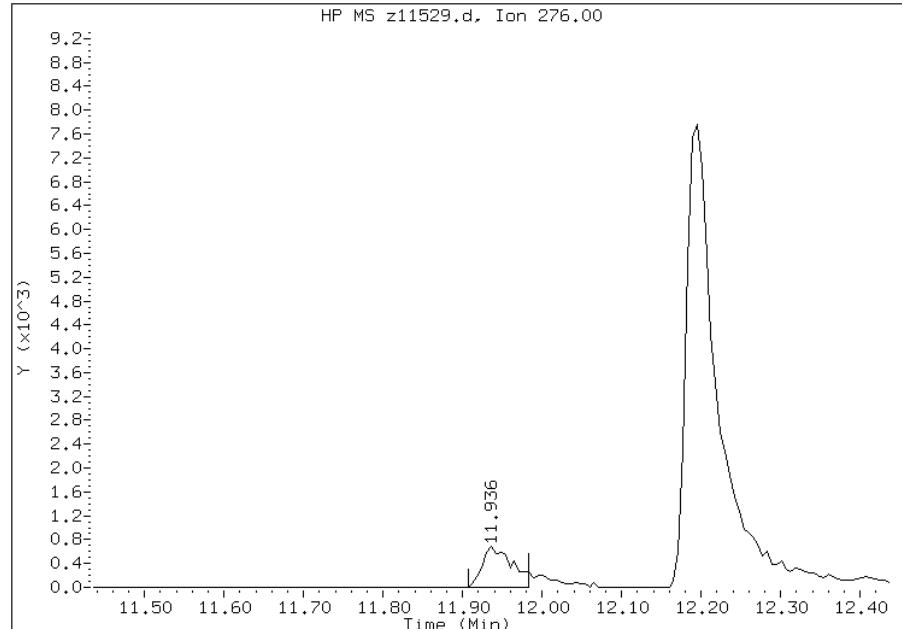
### Processing Integration Results

RT: 11.94  
Response: 858  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 11.94  
Response: 1815  
Amount: 0  
Conc: 0



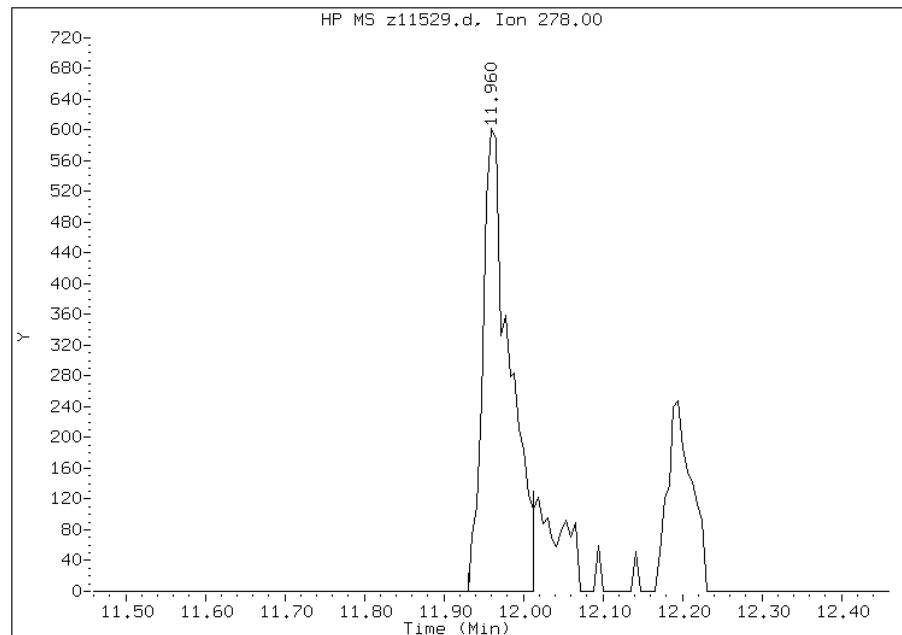
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11529.d  
Inj. Date and Time: 06-AUG-2012 15:40  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 69 Dibenz(a,h)anthracene  
CAS #: 53-70-3  
Report Date: 08/07/2012

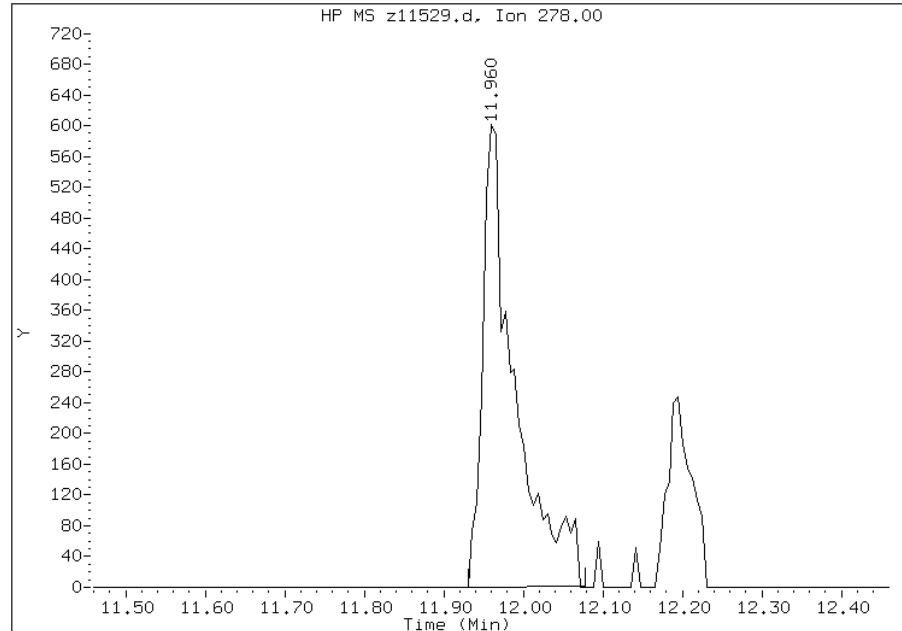
### Processing Integration Results

RT: 11.96  
Response: 1416  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 11.96  
Response: 1682  
Amount: 0  
Conc: 0



Manually Integrated By: wahied  
Manual Integration Reason:

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32      Calibration End Date: 08/11/2012 14:22      Calibration ID: 16865

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-123774/7	x29156.d
Level 2	IC 460-123774/6	x29155.d
Level 3	IC 460-123774/5	x29154.d
Level 4	ICIS 460-123774/2	x29151.d
Level 5	IC 460-123774/4	x29153.d
Level 6	IC 460-123774/3	x29152.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Naphthylamine	0 0	0	0	0	0	Ave								30.0			
2-Naphthylamine	0 0	0	0	0	0	Ave								15.0			
o-Toluidine	0 0	0	0	0	0	Ave								15.0			
1,4-Dioxane	0.6359 0.5797	0.6280	0.6010	0.5289	0.5363	Ave		0.5850						7.7	15.0		
N-Nitrosodimethylamine	0.8633 0.8065	0.8241	0.7962	0.7579	0.7593	Ave		0.8012						5.0	15.0		
Pyridine	1.4857 1.3825	1.5226	1.4204	1.3075	1.3238	Ave		1.4071						6.1	15.0		
2,3,7,8-TCDD (Screen)	+++++ +++++	+++++	+++++	0.1861	+++++	Ave		0.1861							15.0		
Benzaldehyde	1.0012 +++++	0.9420	0.8323	0.5451	0.3358	Ave		0.7313						38.6 *	15.0		
Aniline	2.2279 +++++	2.1517	1.9625	1.8411	1.6253	Ave		1.9617						12.3	15.0		
Phenol	1.9120 1.6543	1.8582	1.8754	1.6076	1.4740	Ave		1.7303						10.2	30.0		
Bis(2-chloroethyl)ether	1.3223 1.7562	1.4118	1.3433	1.2835	1.3050	Ave		1.4037						12.7	15.0		
2-Chlorophenol	1.5617 1.3297	1.5368	1.5589	1.3659	1.2736	Ave		1.4378						9.0	15.0		
Decane	1.4853 1.2443	1.4103	1.4479	1.3346	1.2109	Ave		1.3556						8.2	15.0		
1,3-Dichlorobenzene	1.8770 1.5455	1.8447	1.7169	1.6270	1.5065	Ave		1.6863						9.1	15.0		
1,4-Dichlorobenzene	1.8452 1.4758	1.8269	1.7461	1.5948	1.4563	Ave		1.6575						10.4	30.0		

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32 Calibration End Date: 08/11/2012 14:22 Calibration ID: 16865

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzyl alcohol	0.6607 0.7781	0.7120	0.7882	0.7297	0.7384	Ave		0.7345				6.3		15.0			
1,2-Dichlorobenzene	1.7619 1.3515	1.7173	1.5767	1.4441	1.3223	Ave		1.5290				12.2		15.0			
2,2'-oxybis[1-chloropropane]	1.6725 1.3691	1.5903	1.4907	1.4115	1.3340	Ave		1.4780				9.0		15.0			
2-Methylphenol	1.2695 1.0702	1.2399	1.3019	1.0966	1.0230	Ave		1.1668				10.1		15.0			
Acetophenone	1.8681 1.5438	1.8893	1.7510	1.6406	1.5506	Ave		1.7072				8.9		15.0			
N-Nitrosodi-n-propylamine	1.0675 0.7929	1.0254	0.9529	0.8974	0.8451	Ave		0.9302			0.0500	11.3		15.0			
3 & 4 Methylphenol	1.2421 0.9575	1.2321	1.3651	1.1505	1.0051	Ave		1.1587				13.3		15.0			
4-Methylphenol	1.1908 0.9575	1.2321	1.3146	1.1179	1.0051	Ave		1.1363				12.0		15.0			
Hexachloroethane	0.6488 0.4824	0.6548	0.6209	0.5912	0.5421	Ave		0.5900				11.4		15.0			
Nitrobenzene	0.6376 0.4404	0.5963	0.5384	0.4968	0.4617	Ave		0.5285				14.6		15.0			
n,n'-Dimethylaniline	2.1077 1.5803	2.1310	1.9940	1.7791	1.6146	Ave		1.8678				13.1		15.0			
Isophorone	0.7357 0.6064	0.6916	0.6549	0.6206	0.6101	Ave		0.6532				7.9		15.0			
2-Nitrophenol	0.2077 0.2114	0.2097	0.2208	0.2102	0.1984	Ave		0.2097				3.4		30.0			
2,4-Dimethylphenol	0.3559 0.3020	0.3448	0.3430	0.3114	0.2886	Ave		0.3243				8.4		15.0			
Bis(2-chloroethoxy)methane	0.4443 0.3653	0.4174	0.3959	0.3812	0.3676	Ave		0.3953				7.8		15.0			
2,4-Dichlorophenol	0.3250 0.2707	0.3241	0.3283	0.2929	0.2677	Ave		0.3014				9.3		30.0			
Benzoic acid	0.1394 0.2062	0.1702	0.1947	0.1920	0.1782	Ave		0.1801				13.1		15.0			
1,2,4-Trichlorobenzene	0.3816 0.3216	0.3783	0.3600	0.3436	0.3295	Ave		0.3525				7.1		15.0			
Naphthalene	1.2515 0.9292	1.1784	1.1151	1.0174	0.9477	Ave		1.0732				12.1		15.0			
4-Chloroaniline	0.4350 0.3301	0.4263	0.3898	0.3683	0.3437	Ave		0.3822				11.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32      Calibration End Date: 08/11/2012 14:22      Calibration ID: 16865

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.2377 0.1860	0.2323	0.2185	0.2073	0.1873	Ave		0.2115				10.4		30.0			
Caprolactam	0.0844 0.0793	0.0849	0.0858	0.0802	0.0739	Ave		0.0814				5.6		15.0			
4-Chloro-3-methylphenol	0.3236 0.2560	0.3008	0.3063	0.2759	0.2455	Ave		0.2847				10.7		30.0			
2-Methylnaphthalene	0.7678 0.5777	0.7436	0.6934	0.6289	0.5939	Ave		0.6676				11.9		15.0			
1-Methylnaphthalene	0.7992 0.5971	0.7318	0.7482	0.6545	0.5968	Ave		0.6879				12.3		15.0			
Hexachlorocyclopentadiene	0.2327 0.3545	0.2381	0.2686	0.3267	0.3415	LinF		0.3468							0.9951		0.9900
1,2,4,5-Tetrachlorobenzene	0.7183 0.6036	0.7087	0.7196	0.6549	0.5854	Ave		0.6651				9.0		30.0			
2-tertbutyl-4-methylphenol	0.4653 0.4056	0.4550	0.4885	0.4259	0.3920	Ave		0.4387				8.5		15.0			
2,4,6-Trichlorophenol	0.3812 0.4523	0.3891	0.4197	0.3991	0.3932	Ave		0.4058				6.5		30.0			
2,4,5-Trichlorophenol	0.3924 0.3858	0.4068	0.4410	0.4174	0.4138	Ave		0.4095				4.8		15.0			
Diphenyl	1.7243 1.2089	1.7245	1.6001	1.4135	1.2814	Ave		1.4921				15.0		15.0			
2-Chloronaphthalene	1.3301 1.0072	1.2852	1.2295	1.1255	1.0458	Ave		1.1705				11.2		15.0			
Diphenyl ether	0.9549 0.7958	0.9385	0.8968	0.8572	0.8146	Ave		0.8763				7.4		15.0			
2-Nitroaniline	0.3937 0.3884	0.3784	0.3546	0.3335	0.4027	Ave		0.3752				7.0		15.0			
Dimethylnaphthalene, total	1.1142 0.9116	1.0620	1.0894	0.9869	0.9144	Ave		1.0131				8.7		15.0			
Dimethyl phthalate	1.3008 1.0558	1.2595	1.2154	1.1191	1.0831	Ave		1.1723				8.6		15.0			
Coumarin	0.2253 0.1685	0.1993	0.2079	0.1771	0.1663	Ave		0.1907				12.5		15.0			
2,6-Dinitrotoluene	0.2900 0.2705	0.2952	0.2858	0.2830	0.2765	Ave		0.2835				3.2		15.0			
Acenaphthylene	2.1377 1.6217	1.9730	1.8807	1.7726	1.6832	Ave		1.8448				10.4		15.0			
3-Nitroaniline	0.3062 0.2346	0.2976	0.2818	0.2565	0.2504	Ave		0.2712				10.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32 Calibration End Date: 08/11/2012 14:22 Calibration ID: 16865

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acenaphthene	1.2057 0.9212	1.1687	1.1181	1.0167	0.9814	Ave		1.0686				10.5		30.0			
3,5-di-tert-butyl-4-hydroxytol	0.9303 0.9368	1.0092	1.1579	1.0548	0.9682	Ave		1.0095				8.6		15.0			
2,4-Dinitrophenol	0.0934 0.1472	0.0985	0.1184	0.1321	0.1457	QuaF		8.1931	-3.385		0.0500				0.9962		0.9900
4-Nitrophenol	0.1946 0.1752	0.1955	0.1987	0.1937	0.1911	Ave		0.1914			0.0500	4.4		15.0			
Dibenzofuran	1.7599 1.3093	1.7291	1.6311	1.4808	1.3987	Ave		1.5515				11.8		15.0			
2,4-Dinitrotoluene	0.3730 0.3093	0.3613	0.3461	0.3290	0.3229	Ave		0.3403				7.1		15.0			
2,3,4,6-Tetrachlorophenol	0.2851 0.2745	0.2856	0.2978	0.2864	0.2916	Ave		0.2868				2.7		30.0			
Diethyl phthalate	1.2187 0.9994	1.1587	1.1226	1.0777	1.0386	Ave		1.1026				7.3		15.0			
Fluorene	1.3898 0.9963	1.3610	1.2926	1.1428	1.0710	Ave		1.2089				13.4		15.0			
4-Chlorophenyl phenyl ether	0.7137 0.5084	0.6905	0.6496	0.6051	0.5565	Ave		0.6206				12.8		15.0			
4-Nitroaniline	0.2631 0.1903	0.2493	0.2335	0.2124	0.1895	Ave		0.2230				13.8		15.0			
4,6-Dinitro-2-methylphenol	0.1212 0.1500	0.1228	0.1316	0.1394	0.1456	Ave		0.1351				8.8		15.0			
N-Nitrosodiphenylamine	0.6730 0.5834	0.6319	0.6480	0.6015	0.5853	Ave		0.6205				5.9		30.0			
1,2-Diphenylhydrazine	0.9352 1.0082	1.1154	1.0593	1.0268	0.9371	Ave		1.0137				6.9		15.0			
4-Bromophenyl phenyl ether	0.2877 0.2694	0.2838	0.2790	0.2726	0.2687	Ave		0.2769				2.8		15.0			
Hexachlorobenzene	0.3191 0.3028	0.3261	0.3191	0.3139	0.3022	Ave		0.3139				3.1		15.0			
Atrazine	0.2137 0.1765	0.2219	0.2110	0.1935	0.1825	Ave		0.1998				9.2		15.0			
Pentachlorophenol	0.1302 0.1673	0.1415	0.1537	0.1511	0.1662	Ave		0.1517				9.4		30.0			
Pentachloronitrobenzene	0.1092 0.0909	0.1022	0.1026	0.0952	0.0923	Ave		0.0987				7.2					
n-Octadecane	0.5627 0.5226	0.5432	0.5758	0.5476	0.4949	Ave		0.5411				5.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32 Calibration End Date: 08/11/2012 14:22 Calibration ID: 16865

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Phenanthrene	1.2276 1.0226	1.2146	1.1698	1.0783	1.0277	Ave		1.1234				8.2		15.0			
Anthracene	1.2256 0.9953	1.2257	1.1760	1.0767	1.0107	Ave		1.1183				9.4		15.0			
Carbazole	1.0106 0.7888	0.9853	0.9385	0.8368	0.8050	Ave		0.8942				10.7		15.0			
Di-n-butyl phthalate	1.1491 1.0290	1.1452	1.1487	1.0744	1.0286	Ave		1.0958				5.4		15.0			
Fluoranthene	1.0918 0.8602	1.0369	1.0113	0.9047	0.8921	Ave		0.9662				9.6		30.0			
Benzidine	0.2318 +++++	0.2856	0.1691	0.0316	0.0087	Ave		0.1454				83.8	*	15.0			
Pyrene	1.7281 1.5777	1.7216	1.6510	1.6227	1.5839	Ave		1.6475				4.0		15.0			
Butyl benzyl phthalate	0.5992 0.6067	0.6017	0.5910	0.5983	0.6012	Ave		0.5997				0.9		15.0			
Carbamazepine	0.3919 0.4745	0.3904	0.4448	0.4509	0.4640	Ave		0.4361				8.3		15.0			
3,3'-Dichlorobenzidine	0.4166 0.2666	0.3930	0.3874	0.3432	0.3003	QuaF		2.0093	2.1772						0.9998		0.9900
Benzo[a]anthracene	1.5180 1.1404	1.2097	1.1788	1.1598	1.1622	Ave		1.2281				11.7		15.0			
Chrysene	1.1961 1.0432	1.1790	1.1202	1.0644	1.0618	Ave		1.1108				5.9		15.0			
Bis(2-ethylhexyl) phthalate	0.7654 0.7839	0.7826	0.7758	0.7741	0.8149	Ave		0.7828				2.2		15.0			
Di-n-octyl phthalate	1.2609 1.4929	1.3780	1.4107	1.4494	1.4897	Ave		1.4136				6.2		30.0			
Benzo[b]fluoranthene	1.0733 1.2570	1.1713	1.2518	1.2029	1.2253	Ave		1.1969				5.7		15.0			
Benzo[k]fluoranthene	1.3396 1.2107	1.4070	1.2645	1.3423	1.2601	Ave		1.3040				5.5		15.0			
Benzo[a]pyrene	0.8766 0.9698	0.9724	0.9573	1.0015	0.9738	Ave		0.9586				4.5		30.0			
Indeno[1,2,3-cd]pyrene	0.5783 0.9530	0.7854	0.8589	0.9247	0.9142	LinF		0.9379							0.9987		0.9900
Dibenz(a,h)anthracene	0.7223 0.9769	0.9203	0.9284	0.9795	0.9406	Ave		0.9113				10.5		15.0			
Benzo[g,h,i]perylene	0.8467 0.9624	0.9345	0.9505	0.9750	0.9383	Ave		0.9346				4.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32 Calibration End Date: 08/11/2012 14:22 Calibration ID: 16865

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.3228 1.3160	1.3617	1.3700	1.2658	1.1873	Ave		1.3040				5.2		15.0			
Phenol-d5	1.7272 1.4531	1.6998	1.6441	1.4822	1.3751	Ave		1.5636				9.3		15.0			
Nitrobenzene-d5	0.4470 0.3854	0.4444	0.4386	0.4143	0.3892	Ave		0.4198				6.6		15.0			
2-Fluorobiphenyl	1.5720 1.3620	1.5604	1.5447	1.4366	1.3476	Ave		1.4706				6.9		15.0			
2,4,6-Tribromophenol	0.1824 0.2167	0.1978	0.2204	0.2150	0.2165	Ave		0.2082				7.2		15.0			
Terphenyl-d14	1.2388 1.2424	1.2392	1.2832	1.2507	1.1983	Ave		1.2421				2.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32      Calibration End Date: 08/11/2012 14:22      Calibration ID: 16865

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-123774/7	x29156.d
Level 2	IC 460-123774/6	x29155.d
Level 3	IC 460-123774/5	x29154.d
Level 4	ICIS 460-123774/2	x29151.d
Level 5	IC 460-123774/4	x29153.d
Level 6	IC 460-123774/3	x29152.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
2-Naphthylamine	ANT	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
o-Toluidine	DCB	Ave	0 0	0	0	0	0	5.00 120	10.0	20.0	50.0	80.0
1,4-Dioxane	DCB	Ave	55488 1067774	103728	188020	456220	710623	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	75328 1485488	136118	249066	653725	1006077	5.00 120	10.0	20.0	50.0	80.0
Pyridine	DCB	Ave	129640 2546263	251480	444320	1127794	1754177	5.00 120	10.0	20.0	50.0	80.0
2,3,7,8-TCDD (Screen)	CRY	Ave	+++++ +++++	+++++	+++++	1858	+++++	+++++ +++++	+++++	+++++	0.500	+++++
Benzaldehyde	DCB	Ave	87364 +++++	155587	260377	470169	444971	5.00 +++++	10.0	20.0	50.0	80.0
Aniline	DCB	Ave	194405 +++++	355389	613910	1587997	2153668	5.00 +++++	10.0	20.0	50.0	80.0
Phenol	DCB	Ave	166841 3046926	306909	586668	1386650	1953113	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	11538 3234540	233183	420213	1107033	1729193	0.500 120	10.0	20.0	50.0	80.0
2-Chlorophenol	DCB	Ave	136268 2449110	253828	487667	1178165	1687567	5.00 120	10.0	20.0	50.0	80.0
Decane	DCB	Ave	129607 2291761	232931	452934	1151122	1604535	5.00 120	10.0	20.0	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	163782 2846544	304680	537080	1403376	1996230	5.00 120	10.0	20.0	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	161005 2718168	301744	546224	1375586	1929768	5.00 120	10.0	20.0	50.0	80.0
Benzyl alcohol	DCB	Ave	57648 1433094	117595	246563	629368	978479	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.:

Instrument ID: BNAMS5      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32      Calibration End Date: 08/11/2012 14:22      Calibration ID: 16865

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichlorobenzene	DCB	Ave	153743 2489293	283635	493227	1245605	1752101	5.00 120	10.0	20.0	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	145941 2521609	262656	466339	1217478	1767619	5.00 120	10.0	20.0	50.0	80.0
2-Methylphenol	DCB	Ave	110770 1971099	204780	407278	945878	1355510	5.00 120	10.0	20.0	50.0	80.0
Acetophenone	DCB	Ave	163008 2843385	312046	547753	1415045	2054694	5.00 120	10.0	20.0	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	9315 1460332	169361	298100	774068	1119820	0.500 120	10.0	20.0	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	108383 1763517	203503	427031	992365	1331866	5.00 120	10.0	20.0	50.0	80.0
4-Methylphenol	DCB	Ave	103908 1763517	203503	411222	964195	1331866	5.00 120	10.0	20.0	50.0	80.0
Hexachloroethane	DCB	Ave	5661 888447	108144	194238	509937	718361	0.500 120	10.0	20.0	50.0	80.0
Nitrobenzene	NPT	Ave	19650 2831296	348860	594384	1492731	2102132	0.500 120	10.0	20.0	50.0	80.0
n,n'-Dimethylaniline	DCB	Ave	18391 2910680	351964	623776	1534536	2139495	0.500 120	10.0	20.0	50.0	80.0
Isophorone	NPT	Ave	226738 3898303	404599	722945	1864781	2777887	5.00 120	10.0	20.0	50.0	80.0
2-Nitrophenol	NPT	Ave	64009 1358780	122672	243704	631555	903185	5.00 120	10.0	20.0	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	109700 1941336	201691	378690	935713	1314119	5.00 120	10.0	20.0	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	136938 2348362	244155	437083	1145521	1673787	5.00 120	10.0	20.0	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	100182 1740226	189585	362422	880009	1218760	5.00 120	10.0	20.0	50.0	80.0
Benzoic acid	NPT	Ave	42975 1325474	99552	214982	576828	811155	5.00 120	10.0	20.0	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	11761 2067757	221334	397481	1032389	1500383	0.500 120	10.0	20.0	50.0	80.0
Naphthalene	NPT	Ave	385720 5974006	689378	1231024	3057297	4314844	5.00 120	10.0	20.0	50.0	80.0
4-Chloroaniline	NPT	Ave	134069 2122491	249414	430370	1106806	1565113	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobutadiene	NPT	Ave	14650 1195994	135882	241177	623028	852604	1.00 120	10.0	20.0	50.0	80.0
Caprolactam	NPT	Ave	26000 510134	49649	94719	240985	336356	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32      Calibration End Date: 08/11/2012 14:22      Calibration ID: 16865

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	99725 1645824	175963	338194	829153	1117719	5.00 120	10.0	20.0	50.0	80.0
2-Methylnaphthalene	NPT	Ave	236652 3714300	435043	765444	1889889	2704276	5.00 120	10.0	20.0	50.0	80.0
1-Methylnaphthalene	NPT	Ave	246313 3839009	428133	825966	1966685	2717525	5.00 120	10.0	20.0	50.0	80.0
Hexachlorocyclopentadiene	ANT	LinF	37445 1059217	69560	147825	460363	724183	5.00 120	10.0	20.0	50.0	80.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	115577 1803428	207024	396058	922794	1241222	5.00 120	10.0	20.0	50.0	80.0
2-tertbutyl-4-methylphenol	NPT	Ave	143398 2607716	266191	539231	1279766	1784841	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	61333 1351336	113645	231032	562362	833667	5.00 120	10.0	20.0	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	63132 1152581	118838	242754	588142	877458	5.00 120	10.0	20.0	50.0	80.0
Diphenyl	ANT	Ave	277429 3611791	503745	880744	1991650	2717086	5.00 120	10.0	20.0	50.0	80.0
2-Chloronaphthalene	ANT	Ave	214005 3009046	375427	676714	1585782	2217568	5.00 120	10.0	20.0	50.0	80.0
Diphenyl ether	ANT	Ave	153637 2377656	274143	493624	1207788	1727289	5.00 120	10.0	20.0	50.0	80.0
2-Nitroaniline	ANT	Ave	126685 1160511	110543	195190	469928	853854	10.0 120	10.0	20.0	50.0	80.0
Dimethylnaphthalene, total	ANT	Ave	179265 2723572	310206	599624	1390590	1938873	5.00 120	10.0	20.0	50.0	80.0
Dimethyl phthalate	ANT	Ave	209291 3154346	367905	668983	1576828	2296577	5.00 120	10.0	20.0	50.0	80.0
Coumarin	NPT	Ave	69453 1083131	116609	229462	532203	757071	5.00 120	10.0	20.0	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	9332 808103	86238	157322	398773	586343	1.00 120	10.0	20.0	50.0	80.0
Acenaphthylene	ANT	Ave	343949 4845032	576324	1035146	2497572	3569057	5.00 120	10.0	20.0	50.0	80.0
3-Nitroaniline	ANT	Ave	98522 700890	86922	155122	361392	530851	10.0 120	10.0	20.0	50.0	80.0
Acenaphthene	ANT	Ave	193992 2752277	341381	615415	1432544	2080975	5.00 120	10.0	20.0	50.0	80.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	149673 2798679	294787	637343	1486224	2053097	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrophenol	ANT	QuaF	45073 439909	57529	97723	186141	309015	15.0 120	20.0	30.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32 Calibration End Date: 08/11/2012 14:22 Calibration ID: 16865

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4-Nitrophenol	ANT	Ave	93921 523435	114235	164016	272862	405109	15.0 120	20.0	30.0	50.0	80.0
Dibenzofuran	ANT	Ave	283162 3911705	505086	897785	2086440	2965817	5.00 120	10.0	20.0	50.0	80.0
2,4-Dinitrotoluene	ANT	Ave	12003 924014	105540	190525	463556	684718	1.00 120	10.0	20.0	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	45877 820131	83436	163933	403531	618276	5.00 120	10.0	20.0	50.0	80.0
Diethyl phthalate	ANT	Ave	196075 2985710	338465	617879	1518442	2202347	5.00 120	10.0	20.0	50.0	80.0
Fluorene	ANT	Ave	223617 2976472	397560	711460	1610242	2271067	5.00 120	10.0	20.0	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	114837 1518992	201687	357538	852550	1180002	5.00 120	10.0	20.0	50.0	80.0
4-Nitroaniline	ANT	Ave	84676 568602	72812	128547	299333	401752	10.0 120	10.0	20.0	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	79540 557963	95303	142566	252224	402244	15.0 120	20.0	30.0	50.0	80.0
N-Nitrosodiphenylamine	PHN	Ave	147193 2169632	245253	467963	1088771	1617347	5.00 120	10.0	20.0	50.0	80.0
1,2-Diphenylhydrazine	PHN	Ave	204539 3749445	432874	764963	1858531	2589377	5.00 120	10.0	20.0	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	62925 1002015	110151	201448	493450	742380	5.00 120	10.0	20.0	50.0	80.0
Hexachlorobenzene	PHN	Ave	6979 1126096	126573	230413	568081	835056	0.500 120	10.0	20.0	50.0	80.0
Atrazine	PHN	Ave	46746 656424	86122	152343	350164	504260	5.00 120	10.0	20.0	50.0	80.0
Pentachlorophenol	PHN	Ave	85436 622060	109842	166463	273561	459113	15.0 120	20.0	30.0	50.0	80.0
Pentachloronitrobenzene	PHN	Ave	23883 338050	39668	74086	172246	254983	5.00 120	10.0	20.0	50.0	80.0
n-Octadecane	PHN	Ave	123064 1943595	210806	415811	991070	1367559	5.00 120	10.0	20.0	50.0	80.0
Phenanthrene	PHN	Ave	268479 3803069	471381	844737	1951719	2839736	5.00 120	10.0	20.0	50.0	80.0
Anthracene	PHN	Ave	268055 3701515	475674	849240	1948875	2792624	5.00 120	10.0	20.0	50.0	80.0
Carbazole	PHN	Ave	221024 2933550	382409	677715	1514579	2224450	5.00 120	10.0	20.0	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	251309 3827076	444450	829537	1944722	2842158	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 123774

SDG No.:

Instrument ID: BNAMS5      GC Column: Rtx-5MS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32      Calibration End Date: 08/11/2012 14:22      Calibration ID: 16865

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Fluoranthene	PHN	Ave	238783 3199095	402417	730302	1637570	2465058	5.00 120	10.0	20.0	50.0	80.0
Benzidine	PHN	Ave	50699 +++++	221698	183217	57138	24091	5.00 +++++	20.0	30.0	50.0	80.0
Pyrene	CRY	Ave	232922 3115107	396158	706044	1619954	2408584	5.00 120	10.0	20.0	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	80768 1197944	138445	252729	597248	914212	5.00 120	10.0	20.0	50.0	80.0
Carbamazepine	CRY	Ave	52818 936886	89833	190197	450176	705560	5.00 120	10.0	20.0	50.0	80.0
3,3'-Dichlorobenzidine	CRY	QuaF	112303 526405	180851	248517	342646	456716	10.0 120	20.0	30.0	50.0	80.0
Benzo[a]anthracene	CRY	Ave	20461 2251773	278353	504094	1157824	1767312	0.500 120	10.0	20.0	50.0	80.0
Chrysene	CRY	Ave	161225 2059792	271288	479054	1062564	1614682	5.00 120	10.0	20.0	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	103162 1547854	180082	331745	772748	1239159	5.00 120	10.0	20.0	50.0	80.0
Di-n-octyl phthalate	PRY	Ave	127989 2297643	234040	456334	1103131	1758080	5.00 120	10.0	20.0	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	10895 1934555	198927	404930	915499	1446041	0.500 120	10.0	20.0	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	13598 1863273	238954	409065	1021574	1487121	0.500 120	10.0	20.0	50.0	80.0
Benzo[a]pyrene	PRY	Ave	8898 1492598	165144	309668	762232	1149275	0.500 120	10.0	20.0	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	LinF	5870 1466735	133383	277859	703787	1078950	0.500 120	10.0	20.0	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	7332 1503519	156304	300336	745452	1110054	0.500 120	10.0	20.0	50.0	80.0
Benzol[g,h,i]perylene	PRY	Ave	85948 1481229	158708	307468	742045	1107341	5.00 120	10.0	20.0	50.0	80.0
2-Fluorophenol	DCB	Ave	115429 2423841	224906	428581	1091810	1573222	5.00 120	10.0	20.0	50.0	80.0
Phenol-d5	DCB	Ave	150716 2676265	280738	514305	1278466	1822050	5.00 120	10.0	20.0	50.0	80.0
Nitrobenzene-d5	NPT	Ave	137769 2477722	259973	484166	1244956	1772061	5.00 120	10.0	20.0	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	252927 4068988	455807	850235	2024231	2857520	5.00 120	10.0	20.0	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	29350 647507	57791	121335	302959	459012	5.00 120	10.0	20.0	50.0	80.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 123774

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 GC Column: Rtx-5MS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/11/2012 12:32 Calibration End Date: 08/11/2012 14:22 Calibration ID: 16865

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	166976 2453122	285157	548755	1248557	1822247	5.00 120	10.0	20.0	50.0	80.0

Curve Type Legend:

Ave = Average ISTD

LinF = Linear ISTD forced zero

QuaF = Quadratic ISTD forced zero

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29151.d  
Report Date: 13-Aug-2012 10:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29151.d  
Lab Smp Id: ICIS-1564229  
Inj Date : 11-AUG-2012 12:32  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : ICIS-1564229  
Misc Info : 50ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/8270C\_11.m  
Meth Date : 13-Aug-2012 10:22 monica Quant Type: ISTD  
Cal Date : 11-AUG-2012 12:32 Cal File: x29151.d  
Als bottle: 2 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	1.125	1.125	(0.314)		456220	50.0000	45
19 N-Nitrosodimethylamine	74	1.325	1.325	(0.370)		653725	50.0000	47
71 Pyridine	79	1.343	1.343	(0.375)		1127794	50.0000	46
\$ 16 2-Fluorophenol (SUR)	112	2.354	2.354	(0.657)		1091810	50.0000	48
110 Benzaldehyde	77	3.137	3.137	(0.875)		470169	50.0000	37
73 Aniline	93	3.254	3.254	(0.908)		1587997	50.0000	47
\$ 17 Phenol-d5 (SUR)	99	3.272	3.272	(0.913)		1278466	50.0000	47
1 Phenol	94	3.284	3.284	(0.916)		1386650	50.0000	46
20 bis(2-Chloroethyl)ether	93	3.337	3.337	(0.931)		1107033	50.0000	46
2 2-Chlorophenol	128	3.384	3.384	(0.944)		1178165	50.0000	48
113 n-decane	43	3.443	3.443	(0.961)		1151122	50.0000	49
21 1,3-Dichlorobenzene	146	3.525	3.525	(0.984)		1403376	50.0000	48
* 79 1,4-Dichlorobenzene-d4	152	3.584	3.584	(1.000)		690026	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29151.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	3.601	3.601 (1.005)		1375586	50.0000	48
74 Benzyl Alcohol	108	3.754	3.754 (1.048)		629368	50.0000	50
23 1,2-Dichlorobenzene	146	3.754	3.754 (1.048)		1245605	50.0000	47
24 bis (2-chloroisopropyl) ether	45	3.884	3.884 (1.084)		1217478	50.0000	48
3 2-Methylphenol	108	3.890	3.890 (1.085)		945878	50.0000	47
104 Acetophenone	105	4.019	4.019 (1.121)		1415045	50.0000	48
25 N-Nitroso-di-n-propylamine	70	4.031	4.031 (1.125)		774068	50.0000	48(M)
4 4-Methylphenol	108	4.054	4.054 (1.131)		964195	50.0000	49
123 3 & 4 Methylphenol	108	4.054	4.054 (1.131)		992365	50.0000	50
26 Hexachloroethane	117	4.090	4.090 (1.141)		509937	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)	82	4.160	4.160 (0.853)		1244956	50.0000	49
27 Nitrobenzene	77	4.184	4.184 (0.858)		1492731	50.0000	47
107 N,N-Dimethylaniline	120	4.190	4.190 (1.169)		1534536	50.0000	48
28 Isophorone	82	4.431	4.431 (0.908)		1864781	50.0000	48
5 2-Nitrophenol	139	4.501	4.501 (0.923)		631555	50.0000	50
6 2,4-Dimethylphenol	122	4.584	4.584 (0.940)		935713	50.0000	48
29 bis(2-Chloroethoxy)methane	93	4.666	4.666 (0.957)		1145521	50.0000	48
15 Benzoic Acid	122	4.784	4.784 (0.981)		576828	50.0000	53
7 2,4-Dichlorophenol	162	4.760	4.760 (0.976)		880009	50.0000	48
30 1,2,4-Trichlorobenzene	180	4.831	4.831 (0.990)		1032389	50.0000	49
* 80 Naphthalene-d8	136	4.878	4.878 (1.000)		2403902	40.0000	
31 Naphthalene	128	4.901	4.901 (1.005)		3057297	50.0000	47
32 4-Chloroaniline	127	4.972	4.972 (1.019)		1106806	50.0000	48
33 Hexachlorobutadiene	225	5.037	5.037 (1.033)		623028	50.0000	49
111 Caprolactam	113	5.378	5.378 (1.102)		240985	50.0000	49
8 4-Chloro-3-methylphenol	107	5.501	5.501 (1.128)		829153	50.0000	48
34 2-Methylnaphthalene	142	5.595	5.595 (1.147)		1889889	50.0000	47
120 1-Methylnaphthalene	142	5.689	5.689 (1.166)		1966685	50.0000	48
35 Hexachlorocyclopentadiene	237	5.760	5.760 (0.870)		460363	50.0000	47
129 1,2,4,5-Tetrachlorobenzene	216	5.766	5.766 (0.871)		922794	50.0000	49
121 2-tert-Butyl-4-methylphenol	149	5.842	5.842 (1.198)		1279766	50.0000	48
9 2,4,6-Trichlorophenol	196	5.895	5.895 (0.891)		562362	50.0000	49
10 2,4,5-Trichlorophenol	196	5.937	5.937 (0.897)		588142	50.0000	51
\$ 77 2-Fluorobiphenyl (SUR)	172	5.972	5.972 (0.902)		2024231	50.0000	49
102 Diphenyl	154	6.066	6.066 (0.916)		1991650	50.0000	47
36 2-Chloronaphthalene	162	6.078	6.078 (0.918)		1585782	50.0000	48
103 Diphenyl Ether	170	6.172	6.172 (0.932)		1207788	50.0000	49
37 2-Nitroaniline	65	6.195	6.195 (0.936)		469928	50.0000	44
125 1,3-Dimethylnaphthalene	156	6.295	6.295 (0.951)		1390590	50.0000	49
38 Dimethylphthalate	163	6.389	6.389 (0.965)		1576828	50.0000	48
114 Coumarin	146	6.389	6.389 (1.310)		532203	50.0000	46
40 2,6-Dinitrotoluene	165	6.442	6.442 (0.973)		398773	50.0000	50
39 Acenaphthylene	152	6.478	6.478 (0.979)		2497572	50.0000	48
41 3-Nitroaniline	138	6.601	6.601 (0.997)		361392	50.0000	47
* 82 Acenaphthene-d10	164	6.619	6.619 (1.000)		1127203	40.0000	
42 Acenaphthene	154	6.648	6.648 (1.004)		1432544	50.0000	48
122 2,6-Di-tert-butyl-p-cresol	205	6.672	6.672 (1.008)		1486224	50.0000	52

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29151.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.707	6.707 (1.013)			186141	50.0000	50
12 4-Nitrophenol	65	6.807	6.807 (1.028)			272862	50.0000	50
43 Dibenzofuran	168	6.819	6.819 (1.030)			2086440	50.0000	48
44 2,4-Dinitrotoluene	165	6.831	6.831 (1.032)			463556	50.0000	48
130 2,3,4,6-Tetrachlorophenol	232	6.954	6.954 (1.051)			403531	50.0000	50
45 Diethylphthalate	149	7.084	7.084 (1.070)			1518442	50.0000	49
47 Fluorene	166	7.154	7.154 (1.081)			1610242	50.0000	47
46 4-Chlorophenyl-phenylether	204	7.166	7.166 (1.083)			852550	50.0000	49
48 4-Nitroaniline	138	7.201	7.201 (1.088)			299333	50.0000	48
13 4,6-Dinitro-2-methylphenol	198	7.231	7.231 (0.897)			252224	50.0000	52
49 N-Nitrosodiphenylamine	169	7.289	7.289 (0.904)			1088771	50.0000	48
75 1,2-Diphenylhydrazine	77	7.319	7.319 (0.908)			1858531	50.0000	51
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.389	7.389 (1.116)			302959	50.0000	52
50 4-Bromophenyl-phenylether	248	7.636	7.636 (0.947)			493450	50.0000	49
51 Hexachlorobenzene	284	7.695	7.695 (0.955)			568081	50.0000	50
112 Atrazine	200	7.831	7.831 (0.972)			350164	50.0000	48
14 Pentachlorophenol	266	7.895	7.895 (0.980)			273561	50.0000	50
132 Pentachloronitrobenzene	237	7.907	7.907 (0.981)			172246	50.0000	48
115 n-Octadecane	57	8.013	8.013 (0.994)			991070	50.0000	50
* 83 Phenanthrene-d10	188	8.060	8.060 (1.000)			1447987	40.0000	
52 Phenanthrene	178	8.083	8.083 (1.003)			1951719	50.0000	48
53 Anthracene	178	8.131	8.131 (1.009)			1948875	50.0000	48
54 Carbazole	167	8.301	8.301 (1.030)			1514579	50.0000	47
55 Di-n-butylphthalate	149	8.666	8.666 (1.075)			1944722	50.0000	49
56 Fluoranthene	202	9.230	9.230 (1.145)			1637570	50.0000	47
58 Benzidine	184	9.389	9.389 (1.165)			57138	50.0000	11
57 Pyrene	202	9.448	9.448 (0.887)			1619954	50.0000	49
\$ 78 Terphenyl-d14	244	9.625	9.625 (0.903)			1248557	50.0000	50
59 Butylbenzylphthalate	149	10.119	10.119 (0.950)			597248	50.0000	50
109 2,3,7,8-TCDD (Screen)	320	10.183	10.183 (0.956)			1858	0.50000	0.50
124 Carbamazepine	193	10.207	10.207 (0.958)			450176	50.0000	52
60 3,3'-Dichlorobenzidine	252	10.636	10.636 (0.998)			342646	50.0000	50
61 Benzo(a)anthracene	228	10.642	10.642 (0.999)			1157824	50.0000	47
* 81 Chrysene-d12	240	10.654	10.654 (1.000)			798649	40.0000	
62 Chrysene	228	10.683	10.683 (1.003)			1062564	50.0000	48
63 bis(2-Ethylhexyl)phthalate	149	10.730	10.730 (1.007)			772748	50.0000	49
64 Di-n-octylphthalate	149	11.477	11.477 (0.930)			1103131	50.0000	51
65 Benzo(b)fluoranthene	252	11.877	11.877 (0.962)			915499	50.0000	50
66 Benzo(k)fluoranthene	252	11.907	11.907 (0.965)			1021574	50.0000	51
67 Benzo(a)pyrene	252	12.266	12.266 (0.994)			762232	50.0000	52
* 84 Perylene-d12	264	12.342	12.342 (1.000)			608863	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.677	13.677 (1.108)			703787	50.0000	49
69 Dibenz(a,h)anthracene	278	13.707	13.707 (1.111)			745452	50.0000	54
70 Benzo(g,h,i)perylene	276	13.995	13.995 (1.134)			742045	50.0000	52

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29151.d  
Report Date: 13-Aug-2012 10:22

QC Flag Legend

M - Compound response manually integrated.

Data File: x29151.d

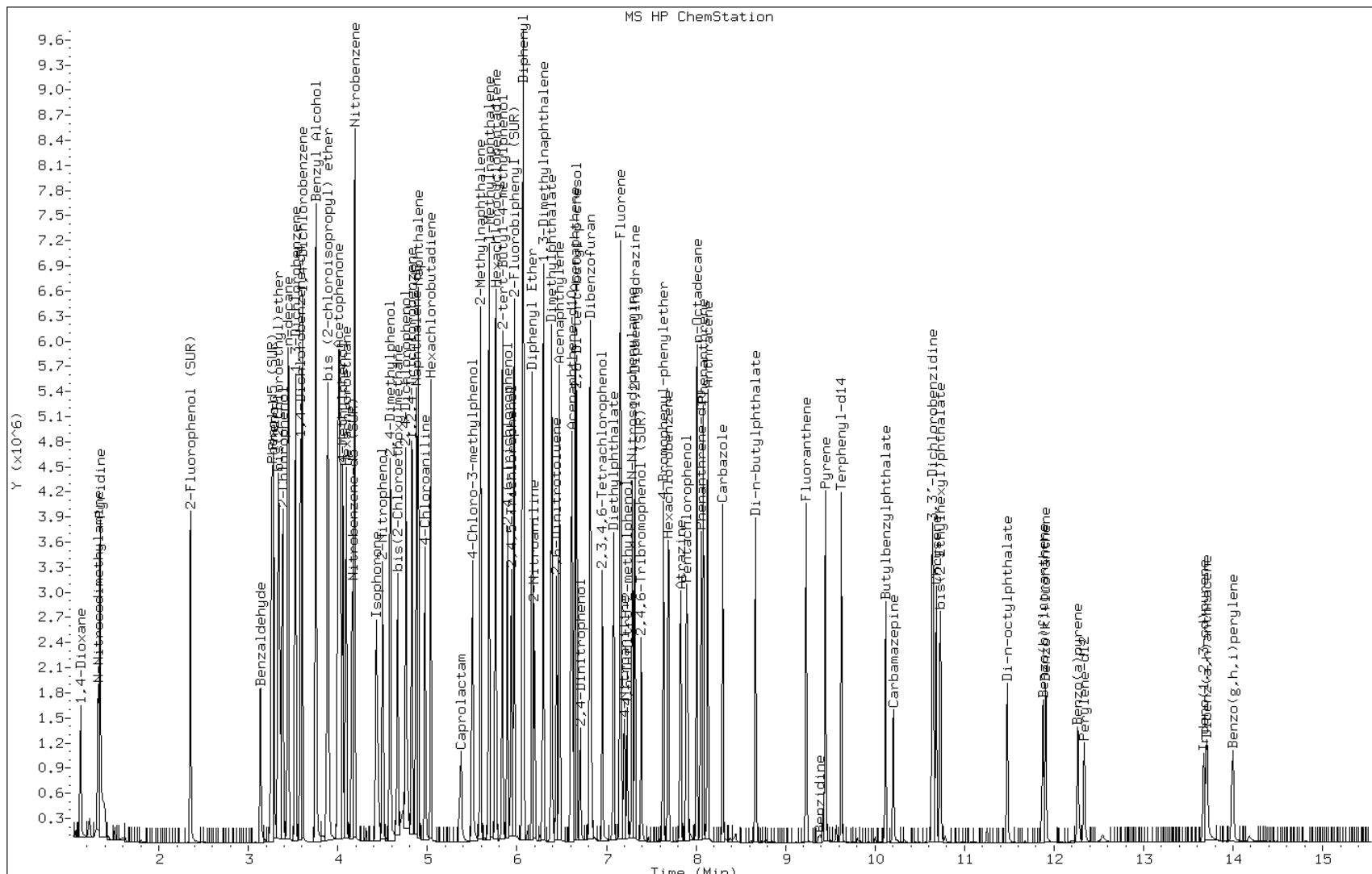
Date: 11-AUG-2012 12:32

Client ID:

Instrument: BNAMS5.i

Sample Info: ICIS-1564229

Operator: BNAMS 4

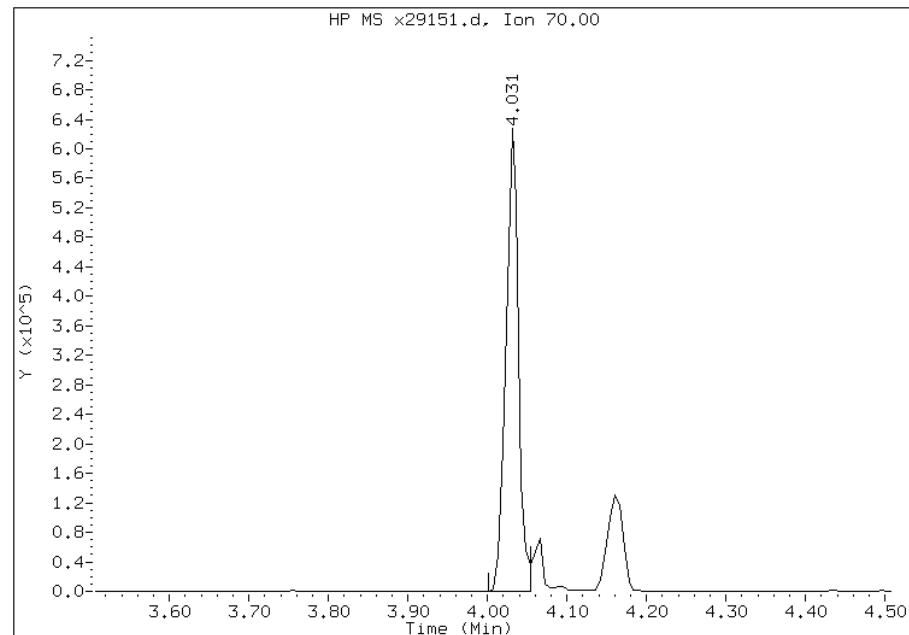


## Manual Integration Report

Data File: x29151.d  
Inj. Date and Time: 11-AUG-2012 12:32  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 25 N-Nitroso-di-n-propylamine  
CAS #: 621-64-7  
Report Date: 08/13/2012

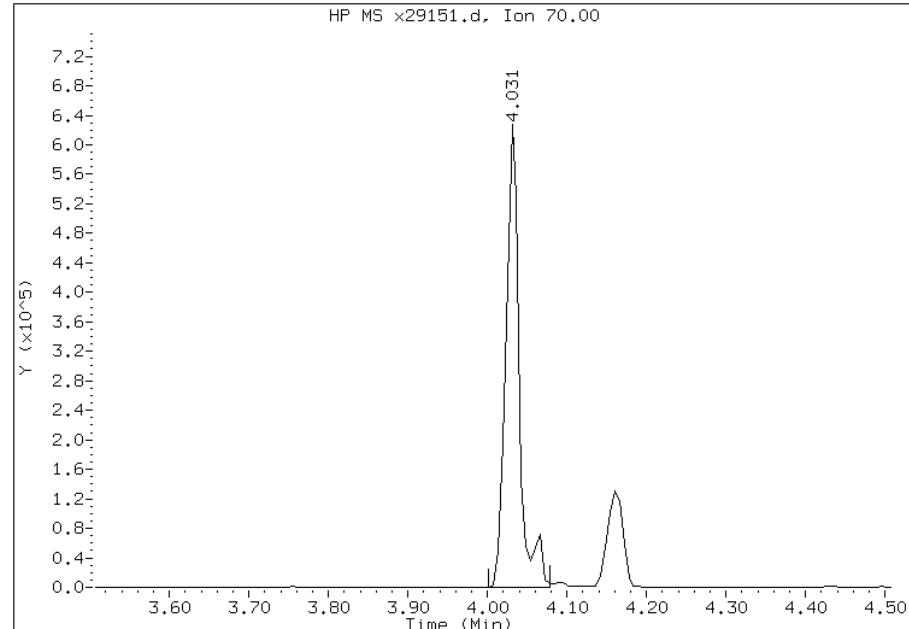
### Processing Integration Results

RT: 4.03  
Response: 723458  
Amount: 50  
Conc: 50



### Manual Integration Results

RT: 4.03  
Response: 774068  
Amount: 48  
Conc: 48



Manually Integrated By: wahied  
Manual Integration Reason: Target Peak Misintegrated (extraneous area removed)

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29152.d  
Report Date: 13-Aug-2012 10:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29152.d  
Lab Smp Id: IC-1564257  
Inj Date : 11-AUG-2012 12:54  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : IC-1564257  
Misc Info : 120ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/8270C\_11.m  
Meth Date : 13-Aug-2012 10:22 monica Quant Type: ISTD  
Cal Date : 11-AUG-2012 12:54 Cal File: x29152.d  
Als bottle: 3 Calibration Sample, Level: 5  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
106 1,4-Dioxane	88	1.231	1.231 (0.342)	1067774	120.000	120(M)	
19 N-Nitrosodimethylamine	74	1.449	1.449 (0.403)	1485488	120.000	120(AM)	
71 Pyridine	79	1.460	1.460 (0.406)	2546263	120.000	120(M)	
\$ 16 2-Fluorophenol (SUR)	112	2.413	2.413 (0.671)	2423841	120.000	120(A)	
110 Benzaldehyde	77	3.160	3.160 (0.879)	412733	120.000	37	
73 Aniline	93	3.278	3.278 (0.912)	2313543	120.000	77	
\$ 17 Phenol-d5 (SUR)	99	3.296	3.296 (0.917)	2676265	120.000	110	
1 Phenol	94	3.313	3.313 (0.921)	3046926	120.000	110	
20 bis(2-Chloroethyl)ether	93	3.366	3.366 (0.936)	3234540	120.000	150(A)	
2 2-Chlorophenol	128	3.419	3.419 (0.951)	2449110	120.000	110	
113 n-decane	43	3.454	3.454 (0.961)	2291761	120.000	110	
21 1,3-Dichlorobenzene	146	3.543	3.543 (0.985)	2846544	120.000	110	
* 79 1,4-Dichlorobenzene-d4	152	3.596	3.596 (1.000)	613936	40.0000		

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29152.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22 1,4-Dichlorobenzene		146	3.613	3.613 (1.005)		2718168	120.000	110
74 Benzyl Alcohol		108	3.772	3.772 (1.049)		1433094	120.000	130(A)
23 1,2-Dichlorobenzene		146	3.766	3.766 (1.047)		2489293	120.000	110
24 bis (2-chloroisopropyl) ether		45	3.896	3.896 (1.083)		2521609	120.000	110
3 2-Methylphenol		108	3.907	3.907 (1.087)		1971099	120.000	110
104 Acetophenone		105	4.037	4.037 (1.123)		2843385	120.000	110
25 N-Nitroso-di-n-propylamine		70	4.054	4.054 (1.128)		1460332	120.000	100(M)
4 4-Methylphenol		108	4.084	4.084 (1.136)		1763517	120.000	100
123 3 & 4 Methylphenol		108	4.084	4.084 (1.136)		1763517	120.000	99
26 Hexachloroethane		117	4.101	4.101 (1.141)		888447	120.000	98
\$ 76 Nitrobenzene-d5 (SUR)		82	4.178	4.178 (0.855)		2477722	120.000	110
27 Nitrobenzene		77	4.207	4.207 (0.861)		2831296	120.000	100
107 N,N-Dimethylaniline		120	4.207	4.207 (1.170)		2910680	120.000	100
28 Isophorone		82	4.466	4.466 (0.914)		3898303	120.000	110
5 2-Nitrophenol		139	4.513	4.513 (0.924)		1358780	120.000	120(A)
6 2,4-Dimethylphenol		122	4.601	4.601 (0.942)		1941336	120.000	110
29 bis(2-Chloroethoxy)methane		93	4.678	4.678 (0.958)		2348362	120.000	110
15 Benzoic Acid		122	4.848	4.848 (0.993)		1325474	120.000	140(AM)
7 2,4-Dichlorophenol		162	4.772	4.772 (0.977)		1740226	120.000	110
30 1,2,4-Trichlorobenzene		180	4.837	4.837 (0.990)		2067757	120.000	110
* 80 Naphthalene-d8		136	4.884	4.884 (1.000)		2143015	40.0000	
31 Naphthalene		128	4.907	4.907 (1.005)		5974006	120.000	100
32 4-Chloroaniline		127	4.984	4.984 (1.020)		2122491	120.000	100
33 Hexachlorobutadiene		225	5.043	5.043 (1.033)		1195994	120.000	100
111 Caprolactam		113	5.443	5.443 (1.114)		510134	120.000	120(H)
8 4-Chloro-3-methylphenol		107	5.519	5.519 (1.130)		1645824	120.000	110
34 2-Methylnaphthalene		142	5.601	5.601 (1.147)		3714300	120.000	100
120 1-Methylnaphthalene		142	5.701	5.701 (1.167)		3839009	120.000	100
35 Hexachlorocyclopentadiene		237	5.766	5.766 (0.870)		1059217	120.000	120(A)
129 1,2,4,5-Tetrachlorobenzene		216	5.778	5.778 (0.872)		1803428	120.000	110
121 2-tert-Butyl-4-methylphenol		149	5.854	5.854 (1.199)		2607716	120.000	110
9 2,4,6-Trichlorophenol		196	5.907	5.907 (0.892)		1351336	120.000	130(A)
10 2,4,5-Trichlorophenol		196	5.954	5.954 (0.899)		1152581	120.000	110
\$ 77 2-Fluorobiphenyl (SUR)		172	5.984	5.984 (0.903)		4068988	120.000	110
102 Diphenyl		154	6.078	6.078 (0.917)		3611791	120.000	97
36 2-Chloronaphthalene		162	6.084	6.084 (0.918)		3009046	120.000	100
103 Diphenyl Ether		170	6.178	6.178 (0.933)		2377656	120.000	110
37 2-Nitroaniline		65	6.207	6.207 (0.937)		1160511	120.000	120(AM)
125 1,3-Dimethylnaphthalene		156	6.307	6.307 (0.952)		2723572	120.000	110
38 Dimethylphthalate		163	6.401	6.401 (0.966)		3154346	120.000	110
114 Coumarin		146	6.407	6.407 (1.312)		1083131	120.000	100
40 2,6-Dinitrotoluene		165	6.454	6.454 (0.974)		808103	120.000	110
39 Acenaphthylene		152	6.490	6.490 (0.980)		4845032	120.000	100
41 3-Nitroaniline		138	6.619	6.619 (0.999)		700890	120.000	100
* 82 Acenaphthene-d10		164	6.625	6.625 (1.000)		995862	40.0000	
42 Acenaphthene		154	6.660	6.660 (1.005)		2752277	120.000	100
122 2,6-Di-tert-butyl-p-cresol		205	6.678	6.678 (1.008)		2798679	120.000	110

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29152.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.719	6.719 (1.014)			439909	120.000	120
12 4-Nitrophenol	65	6.825	6.825 (1.030)			523435	120.000	110
43 Dibenzofuran	168	6.831	6.831 (1.031)			3911705	120.000	100
44 2,4-Dinitrotoluene	165	6.848	6.848 (1.034)			924014	120.000	110
130 2,3,4,6-Tetrachlorophenol	232	6.966	6.966 (1.051)			820131	120.000	110
45 Diethylphthalate	149	7.095	7.095 (1.071)			2985710	120.000	110
47 Fluorene	166	7.160	7.160 (1.081)			2976472	120.000	99
46 4-Chlorophenyl-phenylether	204	7.172	7.172 (1.083)			1518992	120.000	98
48 4-Nitroaniline	138	7.219	7.219 (1.090)			568602	120.000	100
13 4,6-Dinitro-2-methylphenol	198	7.248	7.248 (0.899)			557963	120.000	130(A)
49 N-Nitrosodiphenylamine	169	7.301	7.301 (0.906)			2169632	120.000	110
75 1,2-Diphenylhydrazine	77	7.331	7.331 (0.910)			3749445	120.000	120
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.401	7.401 (1.117)			647507	120.000	120(A)
50 4-Bromophenyl-phenylether	248	7.642	7.642 (0.948)			1002015	120.000	120
51 Hexachlorobenzene	284	7.701	7.701 (0.955)			1126096	120.000	120
112 Atrazine	200	7.842	7.842 (0.973)			656424	120.000	100
14 Pentachlorophenol	266	7.901	7.901 (0.980)			622060	120.000	130(A)
132 Pentachloronitrobenzene	237	7.913	7.913 (0.982)			338050	120.000	110
115 n-Octadecane	57	8.013	8.013 (0.994)			1943595	120.000	120
* 83 Phenanthrene-d10	188	8.060	8.060 (1.000)			1239699	40.0000	
52 Phenanthrene	178	8.089	8.089 (1.004)			3803069	120.000	110
53 Anthracene	178	8.142	8.142 (1.010)			3701515	120.000	110
54 Carbazole	167	8.307	8.307 (1.031)			2933550	120.000	100
55 Di-n-butylphthalate	149	8.672	8.672 (1.076)			3827076	120.000	110
56 Fluoranthene	202	9.236	9.236 (1.146)			3199095	120.000	110
58 Benzidine	184	9.389	9.389 (1.165)			33213	120.000	7.4
57 Pyrene	202	9.454	9.454 (0.887)			3115107	120.000	110
\$ 78 Terphenyl-d14	244	9.631	9.631 (0.903)			2453122	120.000	120(A)
59 Butylbenzylphthalate	149	10.125	10.125 (0.950)			1197944	120.000	120(A)
124 Carbamazepine	193	10.213	10.213 (0.958)			936886	120.000	130(A)
60 3,3'-Dichlorobenzidine	252	10.642	10.642 (0.998)			526405	120.000	120
61 Benzo(a)anthracene	228	10.648	10.648 (0.999)			2251773	120.000	110
* 81 Chrysene-d12	240	10.660	10.660 (1.000)			658162	40.0000	
62 Chrysene	228	10.689	10.689 (1.003)			2059792	120.000	110
63 bis(2-Ethylhexyl)phthalate	149	10.730	10.730 (1.007)			1547854	120.000	120(A)
64 Di-n-octylphthalate	149	11.483	11.483 (0.930)			2297643	120.000	130(A)
65 Benzo(b)fluoranthene	252	11.883	11.883 (0.963)			1934555	120.000	130(A)
66 Benzo(k)fluoranthene	252	11.919	11.919 (0.966)			1863273	120.000	110
67 Benzo(a)pyrene	252	12.277	12.277 (0.995)			1492598	120.000	120(A)
* 84 Perylene-d12	264	12.342	12.342 (1.000)			513014	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.683	13.683 (1.109)			1466735	120.000	120(A)
69 Dibenz(a,h)anthracene	278	13.719	13.719 (1.112)			1503519	120.000	130(A)
70 Benzo(g,h,i)perylene	276	14.013	14.013 (1.135)			1481229	120.000	120(A)

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29152.d  
Report Date: 13-Aug-2012 10:22

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: x29152.d

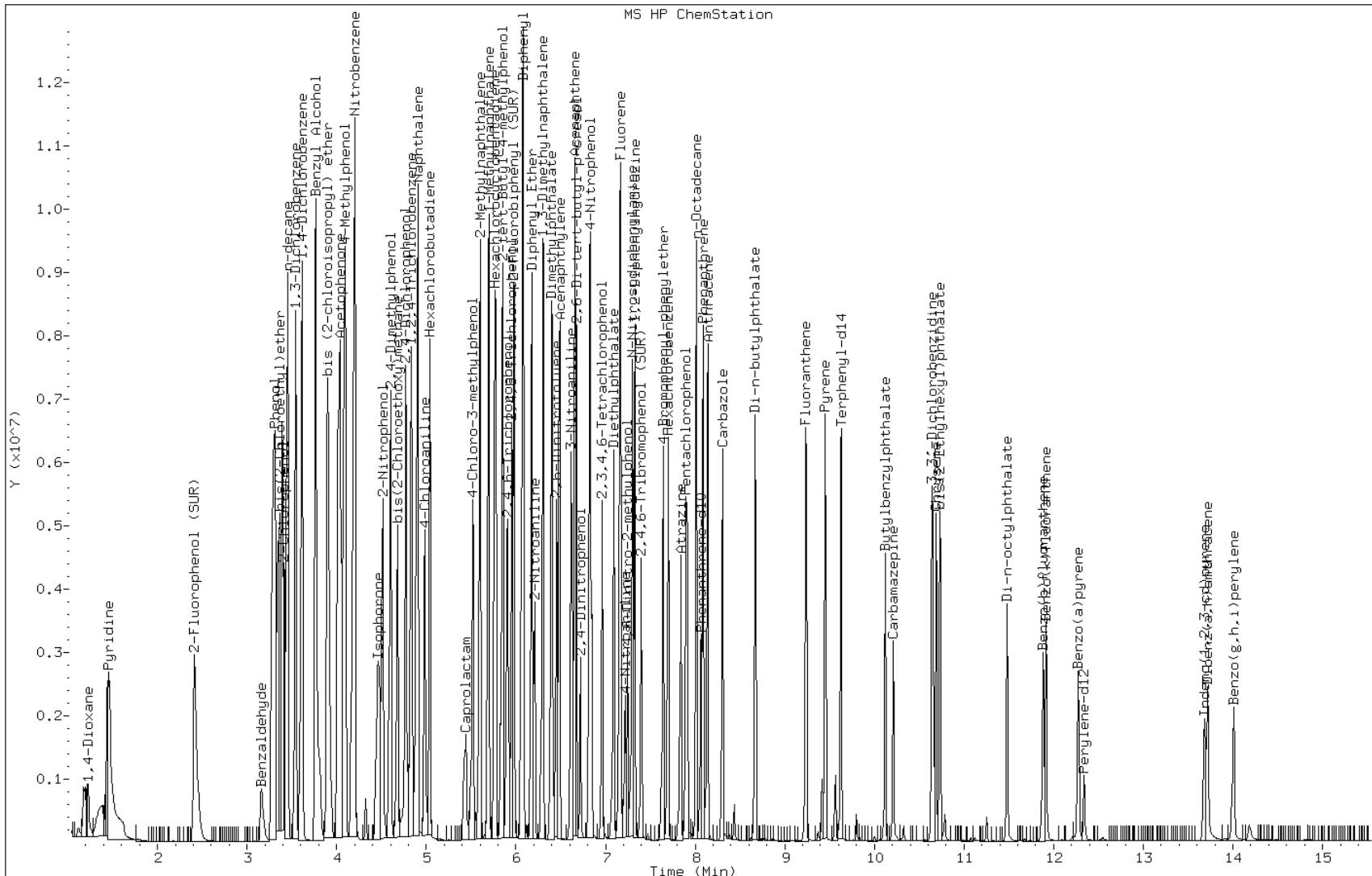
Date: 11-AUG-2012 12:54

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1564257

Operator: BNAMS 4

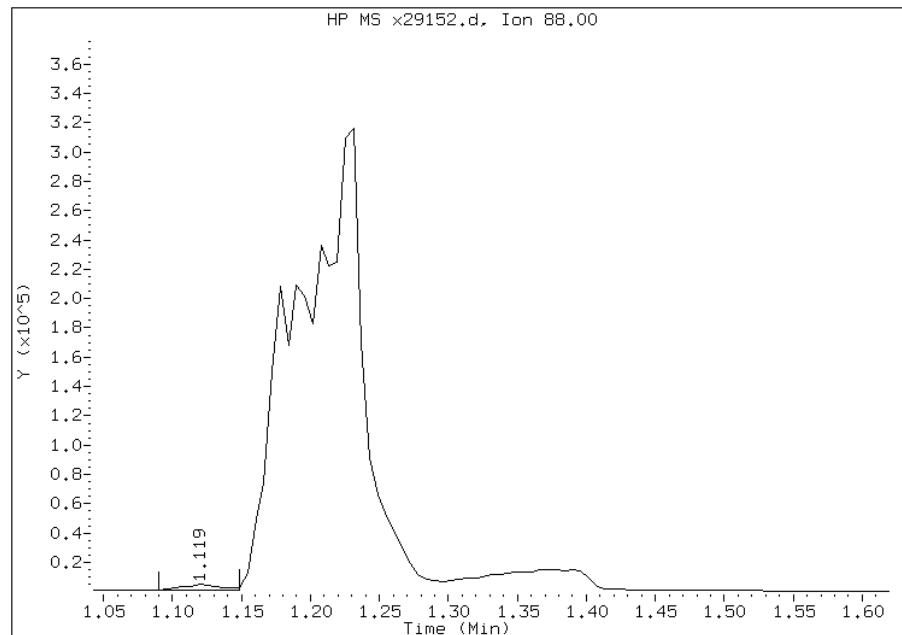


## Manual Integration Report

Data File: x29152.d  
Inj. Date and Time: 11-AUG-2012 12:54  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 106 1,4-Dioxane  
CAS #: 123-91-1  
Report Date: 08/13/2012

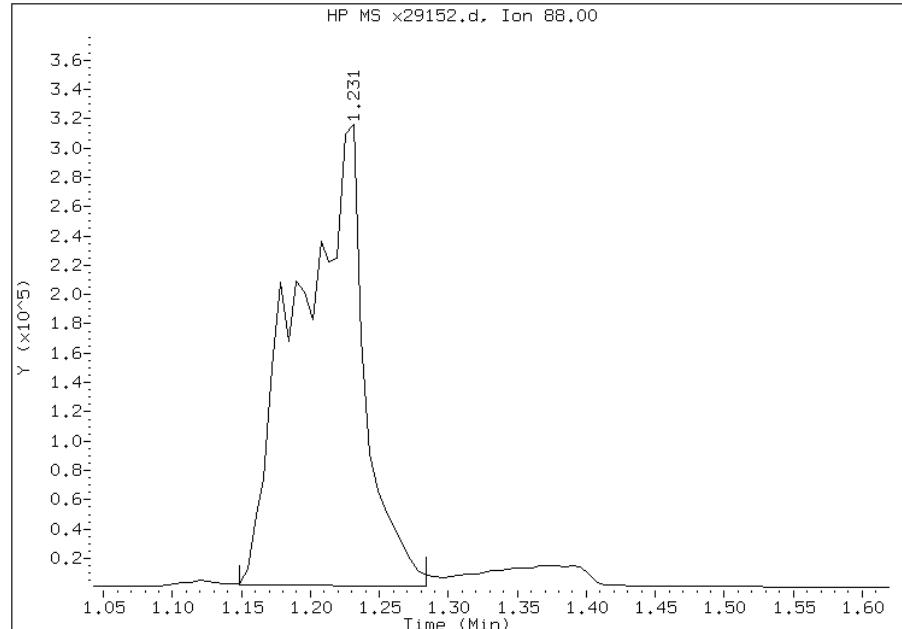
### Processing Integration Results

RT: 1.12  
Response: 6286  
Amount: 2  
Conc: 2



### Manual Integration Results

RT: 1.23  
Response: 1067774  
Amount: 119  
Conc: 119



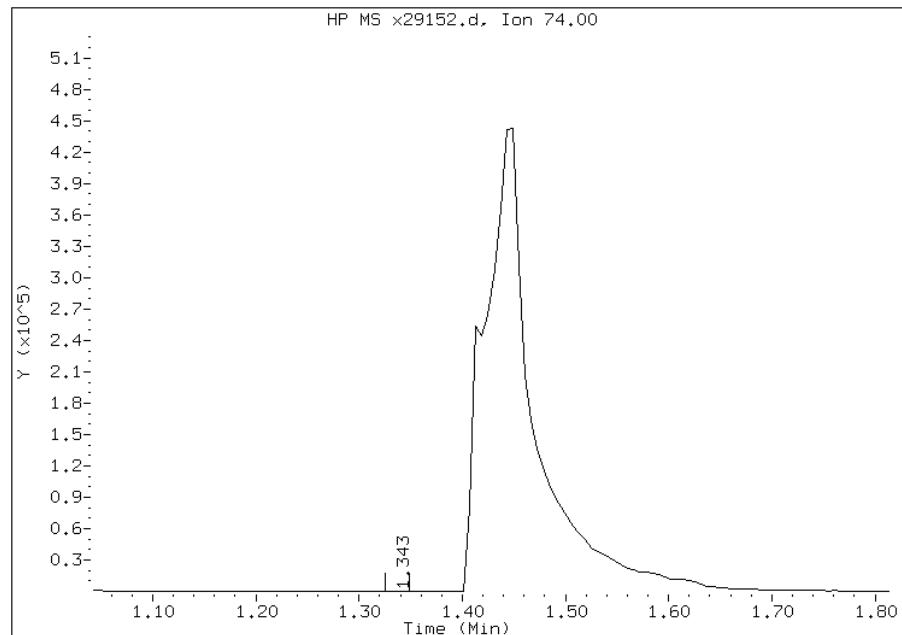
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29152.d  
Inj. Date and Time: 11-AUG-2012 12:54  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 19 N-Nitrosodimethylamine  
CAS #: 62-75-9  
Report Date: 08/13/2012

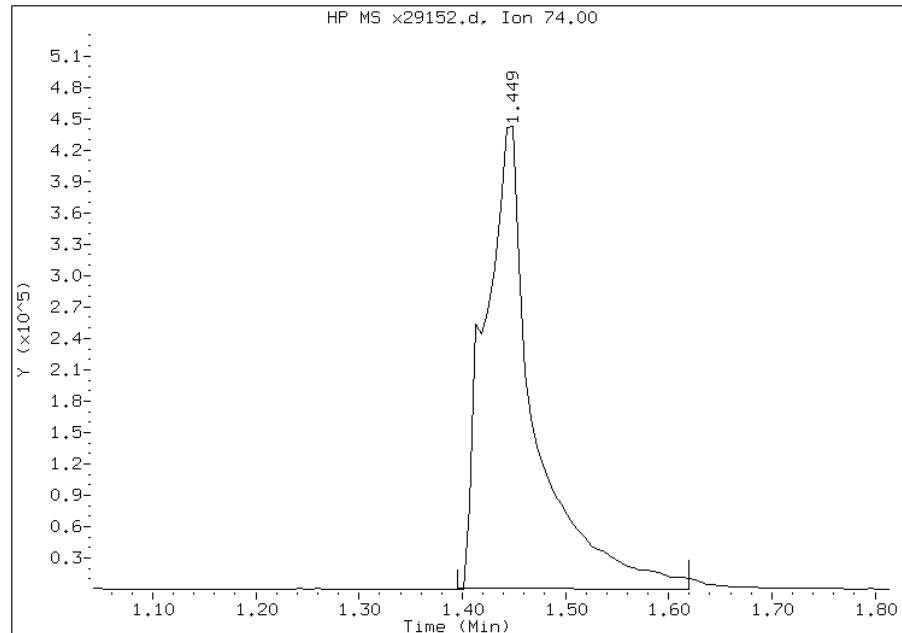
### Processing Integration Results

RT: 1.34  
Response: 232  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 1.45  
Response: 1485488  
Amount: 121  
Conc: 121



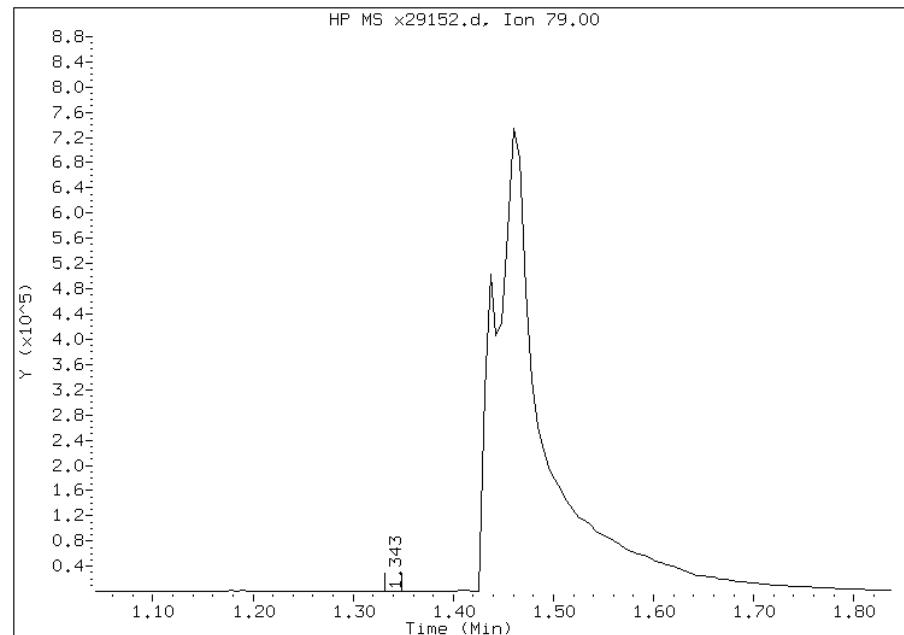
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29152.d  
Inj. Date and Time: 11-AUG-2012 12:54  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 71 Pyridine  
CAS #: 110-86-1  
Report Date: 08/13/2012

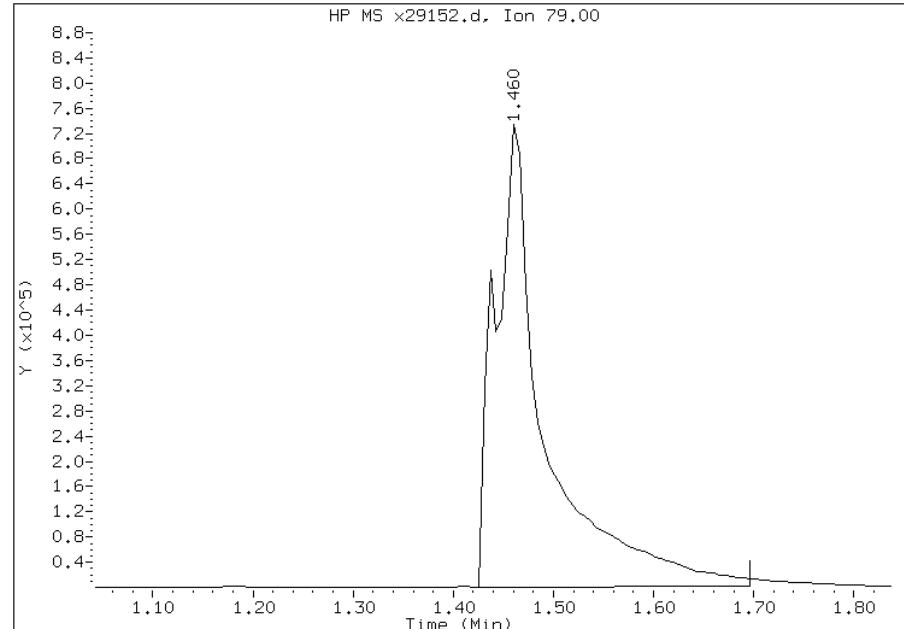
### Processing Integration Results

RT: 1.34  
Response: 113  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 1.46  
Response: 2546263  
Amount: 118  
Conc: 118



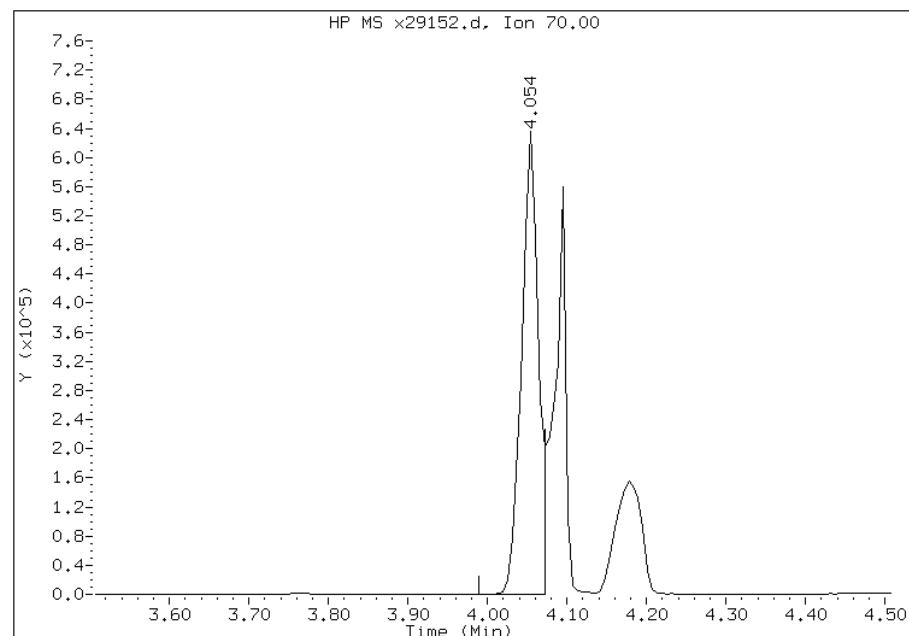
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29152.d  
Inj. Date and Time: 11-AUG-2012 12:54  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 25 N-Nitroso-di-n-propylamine  
CAS #: 621-64-7  
Report Date: 08/13/2012

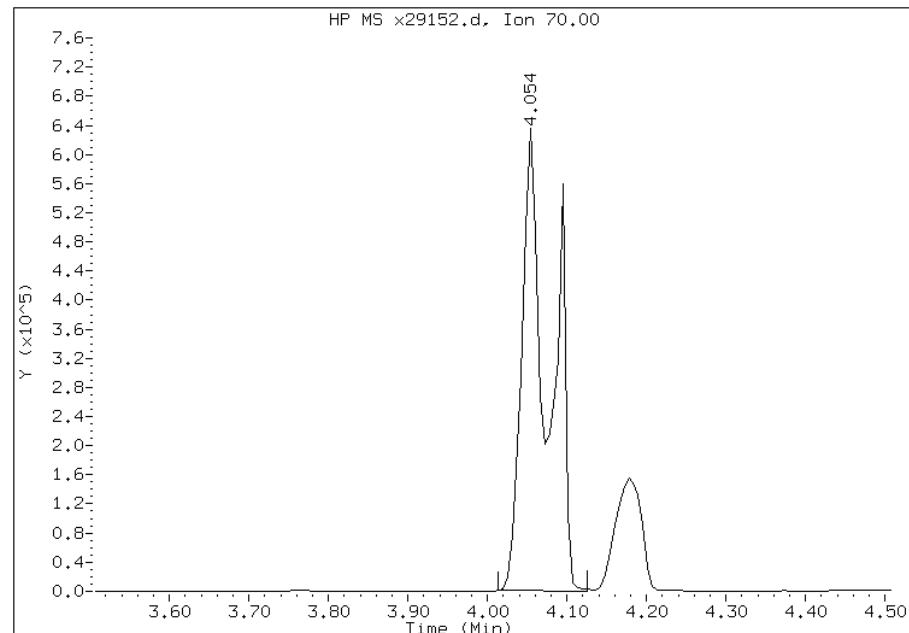
### Processing Integration Results

RT: 4.05  
Response: 939616  
Amount: 72  
Conc: 72



### Manual Integration Results

RT: 4.05  
Response: 1460332  
Amount: 102  
Conc: 102



Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29152.d  
Inj. Date and Time: 11-AUG-2012 12:54  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/13/2012

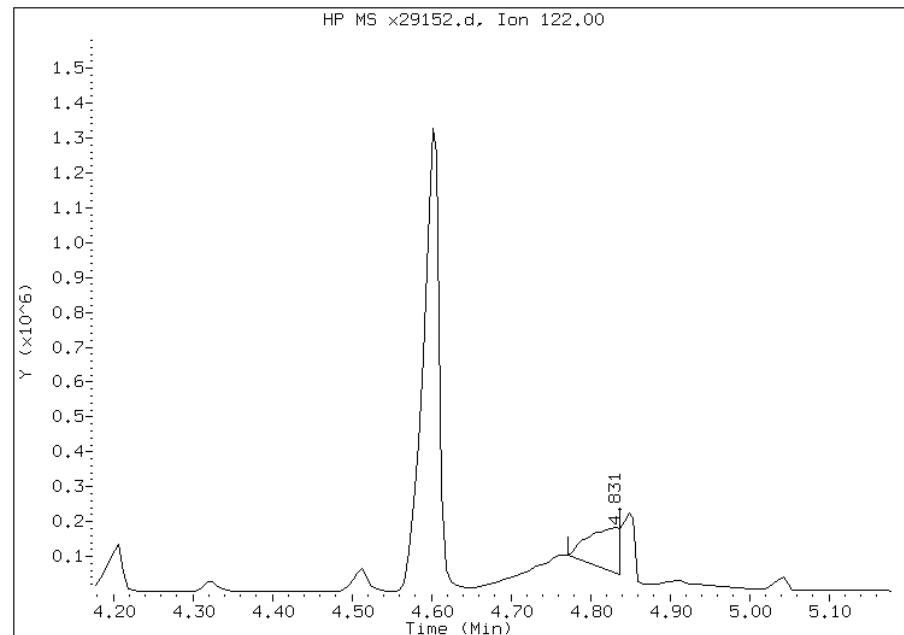
### Processing Integration Results

RT: 4.83

Response: 339866

Amount: 103

Conc: 103



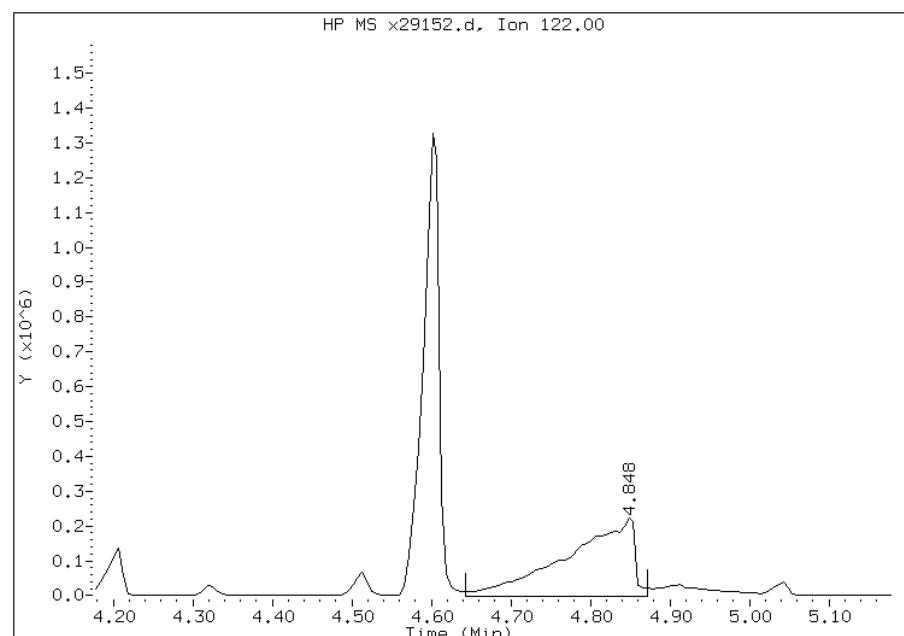
### Manual Integration Results

RT: 4.85

Response: 1325474

Amount: 137

Conc: 137



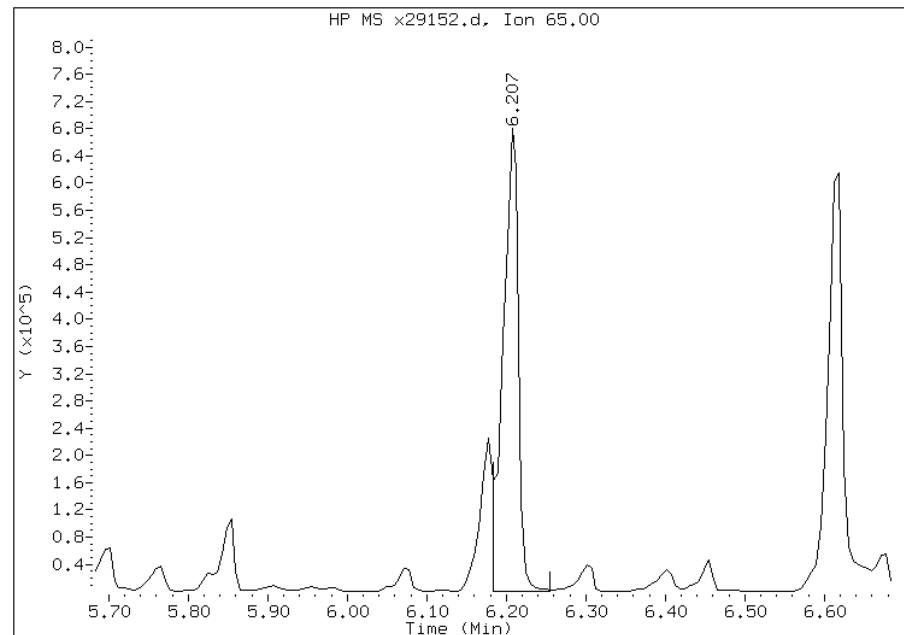
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29152.d  
Inj. Date and Time: 11-AUG-2012 12:54  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 37 2-Nitroaniline  
CAS #: 88-74-4  
Report Date: 08/13/2012

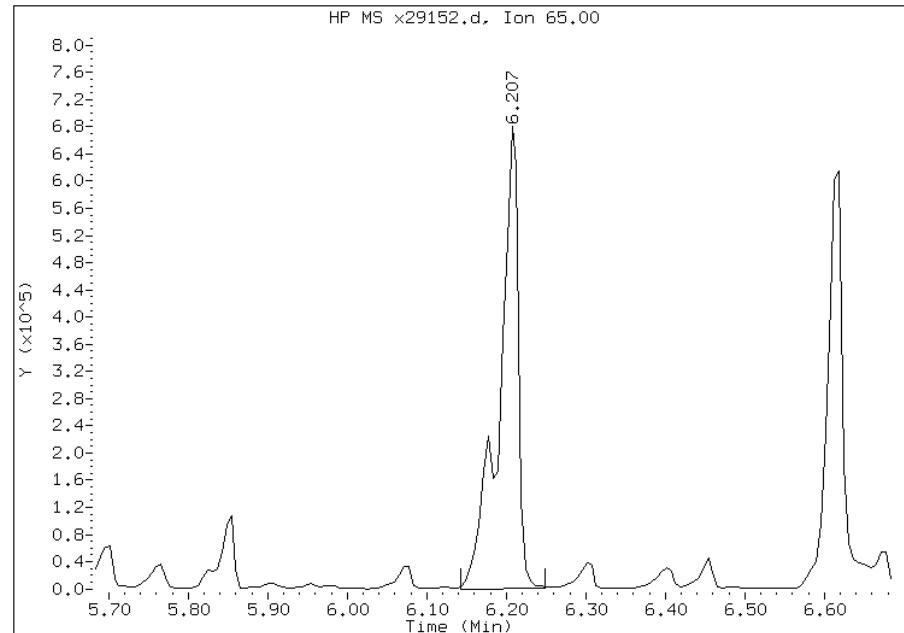
### Processing Integration Results

RT: 6.21  
Response: 952114  
Amount: 109  
Conc: 109



### Manual Integration Results

RT: 6.21  
Response: 1160511  
Amount: 124  
Conc: 124



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29153.d  
Report Date: 13-Aug-2012 10:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29153.d  
Lab Smp Id: IC-1564256  
Inj Date : 11-AUG-2012 13:16  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : IC-1564256  
Misc Info : 80ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/8270C\_11.m  
Meth Date : 13-Aug-2012 10:22 monica Quant Type: ISTD  
Cal Date : 11-AUG-2012 13:16 Cal File: x29153.d  
Als bottle: 4 Calibration Sample, Level: 4  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	1.166	1.166	(0.325)		710623	80.0000	73(H)
19 N-Nitrosodimethylamine	74	1.366	1.366	(0.381)		1006077	80.0000	76(M)
71 Pyridine	79	1.384	1.384	(0.386)		1754177	80.0000	75(M)
\$ 16 2-Fluorophenol (SUR)	112	2.378	2.378	(0.662)		1573222	80.0000	73
110 Benzaldehyde	77	3.143	3.143	(0.875)		444971	80.0000	37
73 Aniline	93	3.266	3.266	(0.910)		2153668	80.0000	66
\$ 17 Phenol-d5 (SUR)	99	3.290	3.290	(0.916)		1822050	80.0000	70
1 Phenol	94	3.301	3.301	(0.920)		1953113	80.0000	68
20 bis(2-Chloroethyl)ether	93	3.354	3.354	(0.934)		1729193	80.0000	74
2 2-Chlorophenol	128	3.395	3.395	(0.946)		1687567	80.0000	71
113 n-decane	43	3.448	3.448	(0.961)		1604535	80.0000	71
21 1,3-Dichlorobenzene	146	3.537	3.537	(0.985)		1996230	80.0000	71
* 79 1,4-Dichlorobenzene-d4	152	3.590	3.590	(1.000)		662537	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29153.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	3.607	3.607 (1.005)	1929768	80.0000		70
74 Benzyl Alcohol	108	3.766	3.766 (1.049)	978479	80.0000		80
23 1,2-Dichlorobenzene	146	3.760	3.760 (1.048)	1752101	80.0000		69
24 bis (2-chloroisopropyl) ether	45	3.890	3.890 (1.084)	1767619	80.0000		72
3 2-Methylphenol	108	3.901	3.901 (1.087)	1355510	80.0000		70
104 Acetophenone	105	4.025	4.025 (1.121)	2054694	80.0000		73
25 N-Nitroso-di-n-propylamine	70	4.042	4.042 (1.126)	1119820	80.0000		73(M)
4 4-Methylphenol	108	4.072	4.072 (1.134)	1331866	80.0000		71
123 3 & 4 Methylphenol	108	4.072	4.072 (1.134)	1331866	80.0000		69
26 Hexachloroethane	117	4.095	4.095 (1.141)	718361	80.0000		74
\$ 76 Nitrobenzene-d5 (SUR)	82	4.172	4.172 (0.854)	1772061	80.0000		74
27 Nitrobenzene	77	4.201	4.201 (0.860)	2102132	80.0000		70
107 N,N-Dimethylaniline	120	4.201	4.201 (1.170)	2139495	80.0000		69
28 Isophorone	82	4.442	4.442 (0.910)	2777887	80.0000		75
5 2-Nitrophenol	139	4.507	4.507 (0.923)	903185	80.0000		76
6 2,4-Dimethylphenol	122	4.595	4.595 (0.941)	1314119	80.0000		71
29 bis(2-Chloroethoxy)methane	93	4.672	4.672 (0.957)	1673787	80.0000		74
15 Benzoic Acid	122	4.819	4.819 (0.987)	811155	80.0000		79(M)
7 2,4-Dichlorophenol	162	4.766	4.766 (0.976)	1218760	80.0000		71
30 1,2,4-Trichlorobenzene	180	4.831	4.831 (0.989)	1500383	80.0000		75
* 80 Naphthalene-d8	136	4.884	4.884 (1.000)	2276567	40.0000		
31 Naphthalene	128	4.907	4.907 (1.005)	4314844	80.0000		71
32 4-Chloroaniline	127	4.978	4.978 (1.019)	1565113	80.0000		72
33 Hexachlorobutadiene	225	5.042	5.042 (1.033)	852604	80.0000		71
111 Caprolactam	113	5.413	5.413 (1.108)	336356	80.0000		72(H)
8 4-Chloro-3-methylphenol	107	5.513	5.513 (1.129)	1117719	80.0000		69
34 2-Methylnaphthalene	142	5.595	5.595 (1.146)	2704276	80.0000		71
120 1-Methylnaphthalene	142	5.695	5.695 (1.166)	2717525	80.0000		69
35 Hexachlorocyclopentadiene	237	5.766	5.766 (0.871)	724183	80.0000		79
129 1,2,4,5-Tetrachlorobenzene	216	5.772	5.772 (0.872)	1241222	80.0000		70
121 2-tert-Butyl-4-methylphenol	149	5.848	5.848 (1.198)	1784841	80.0000		71
9 2,4,6-Trichlorophenol	196	5.901	5.901 (0.892)	833667	80.0000		78
10 2,4,5-Trichlorophenol	196	5.948	5.948 (0.899)	877458	80.0000		81
\$ 77 2-Fluorobiphenyl (SUR)	172	5.978	5.978 (0.903)	2857520	80.0000		73
102 Diphenyl	154	6.072	6.072 (0.917)	2717086	80.0000		69
36 2-Chloronaphthalene	162	6.083	6.083 (0.919)	2217568	80.0000		71
103 Diphenyl Ether	170	6.178	6.178 (0.933)	1727289	80.0000		74
37 2-Nitroaniline	65	6.201	6.201 (0.937)	853854	80.0000		86(M)
125 1,3-Dimethylnaphthalene	156	6.301	6.301 (0.952)	1938873	80.0000		72
38 Dimethylphthalate	163	6.395	6.395 (0.966)	2296577	80.0000		74
114 Coumarin	146	6.401	6.401 (1.311)	757071	80.0000		70
40 2,6-Dinitrotoluene	165	6.448	6.448 (0.974)	586343	80.0000		78
39 Acenaphthylene	152	6.483	6.483 (0.980)	3569057	80.0000		73
41 3-Nitroaniline	138	6.613	6.613 (0.999)	530851	80.0000		74
* 82 Acenaphthene-d10	164	6.619	6.619 (1.000)	1060211	40.0000		
42 Acenaphthene	154	6.654	6.654 (1.005)	2080975	80.0000		73
122 2,6-Di-tert-butyl-p-cresol	205	6.672	6.672 (1.008)	2053097	80.0000		77

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29153.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.713	6.713 (1.014)			309015	80.0000	84
12 4-Nitrophenol	65	6.819	6.819 (1.030)			405109	80.0000	80
43 Dibenzofuran	168	6.825	6.825 (1.031)			2965817	80.0000	72
44 2,4-Dinitrotoluene	165	6.836	6.836 (1.033)			684718	80.0000	76
130 2,3,4,6-Tetrachlorophenol	232	6.960	6.960 (1.052)			618276	80.0000	81
45 Diethylphthalate	149	7.089	7.089 (1.071)			2202347	80.0000	75
47 Fluorene	166	7.160	7.160 (1.082)			2271067	80.0000	71
46 4-Chlorophenyl-phenylether	204	7.172	7.172 (1.084)			1180002	80.0000	72
48 4-Nitroaniline	138	7.213	7.213 (1.090)			401752	80.0000	68
13 4,6-Dinitro-2-methylphenol	198	7.242	7.242 (0.899)			402244	80.0000	86
49 N-Nitrosodiphenylamine	169	7.295	7.295 (0.905)			1617347	80.0000	75
75 1,2-Diphenylhydrazine	77	7.325	7.325 (0.909)			2589377	80.0000	74
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.395	7.395 (1.117)			459012	80.0000	83
50 4-Bromophenyl-phenylether	248	7.642	7.642 (0.948)			742380	80.0000	78
51 Hexachlorobenzene	284	7.695	7.695 (0.955)			835056	80.0000	77
112 Atrazine	200	7.836	7.836 (0.972)			504260	80.0000	73
14 Pentachlorophenol	266	7.895	7.895 (0.980)			459113	80.0000	88
132 Pentachloronitrobenzene	237	7.907	7.907 (0.981)			254983	80.0000	75
115 n-Octadecane	57	8.013	8.013 (0.994)			1367559	80.0000	73
* 83 Phenanthrene-d10	188	8.060	8.060 (1.000)			1381579	40.0000	
52 Phenanthrene	178	8.083	8.083 (1.003)			2839736	80.0000	73
53 Anthracene	178	8.136	8.136 (1.009)			2792624	80.0000	72
54 Carbazole	167	8.307	8.307 (1.031)			2224450	80.0000	72
55 Di-n-butylphthalate	149	8.672	8.672 (1.076)			2842158	80.0000	75
56 Fluoranthene	202	9.236	9.236 (1.146)			2465058	80.0000	74
58 Benzidine	184	9.389	9.389 (1.165)			24091	80.0000	4.8(a)
57 Pyrene	202	9.448	9.448 (0.886)			2408584	80.0000	77
\$ 78 Terphenyl-d14	244	9.624	9.624 (0.903)			1822247	80.0000	77
59 Butylbenzylphthalate	149	10.119	10.119 (0.949)			914212	80.0000	80
124 Carbamazepine	193	10.207	10.207 (0.958)			705560	80.0000	85
60 3,3'-Dichlorobenzidine	252	10.636	10.636 (0.998)			456716	80.0000	80
61 Benzo(a)anthracene	228	10.648	10.648 (0.999)			1767312	80.0000	76
* 81 Chrysene-d12	240	10.660	10.660 (1.000)			760357	40.0000	
62 Chrysene	228	10.689	10.689 (1.003)			1614682	80.0000	76
63 bis(2-Ethylhexyl)phthalate	149	10.730	10.730 (1.007)			1239159	80.0000	83
64 Di-n-octylphthalate	149	11.477	11.477 (0.930)			1758080	80.0000	84
65 Benzo(b)fluoranthene	252	11.877	11.877 (0.962)			1446041	80.0000	82
66 Benzo(k)fluoranthene	252	11.913	11.913 (0.965)			1487121	80.0000	77
67 Benzo(a)pyrene	252	12.271	12.271 (0.994)			1149275	80.0000	81
* 84 Perylene-d12	264	12.342	12.342 (1.000)			590080	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.677	13.677 (1.108)			1078950	80.0000	78
69 Dibenz(a,h)anthracene	278	13.712	13.712 (1.111)			1110054	80.0000	82
70 Benzo(g,h,i)perylene	276	14.007	14.007 (1.135)			1107341	80.0000	80

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29153.d  
Report Date: 13-Aug-2012 10:22

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: x29153.d

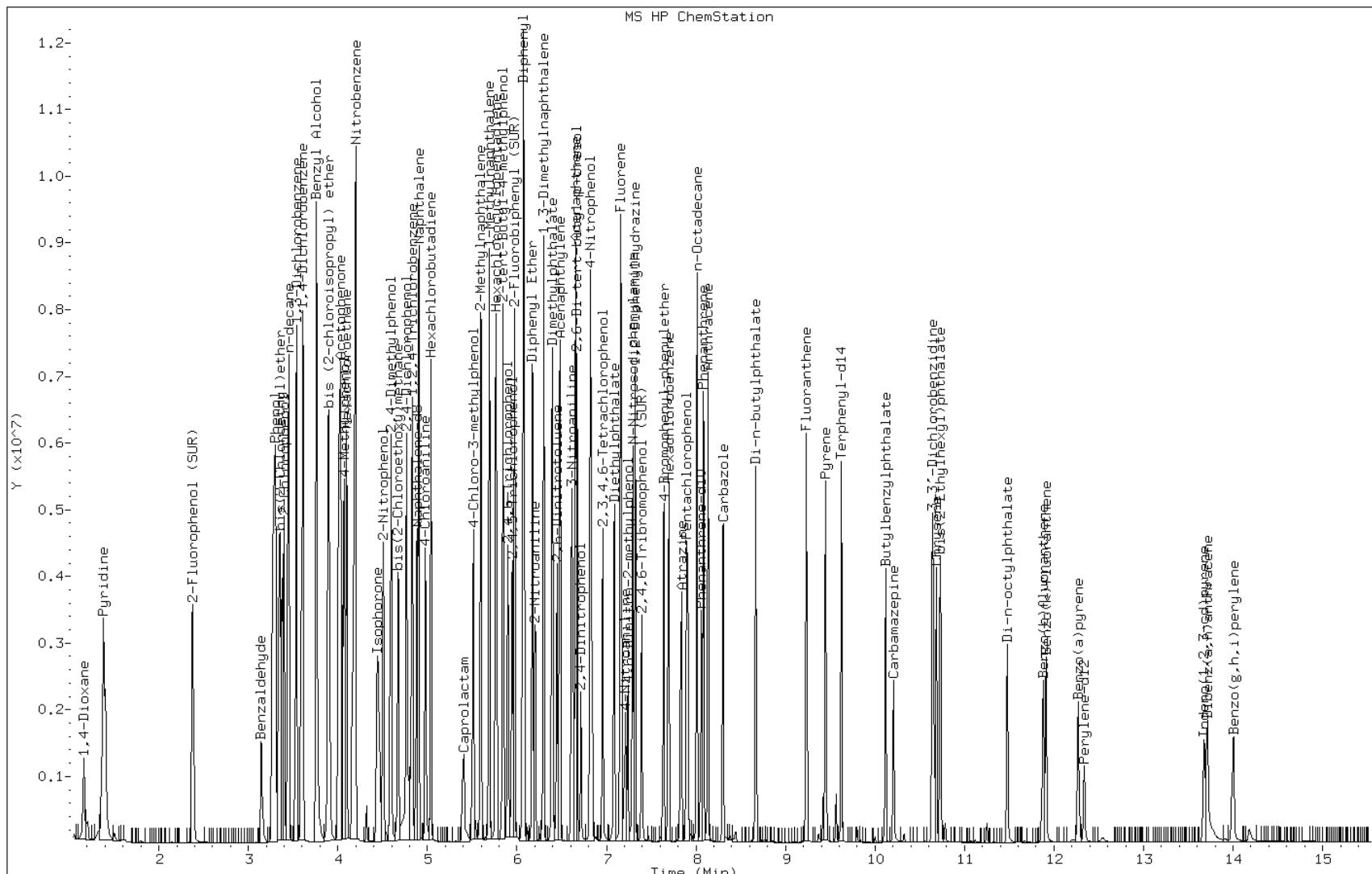
Date: 11-AUG-2012 13:16

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1564256

Operator: BNAMS 4



## Manual Integration Report

Data File: x29153.d  
Inj. Date and Time: 11-AUG-2012 13:16  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 19 N-Nitrosodimethylamine  
CAS #: 62-75-9  
Report Date: 08/13/2012

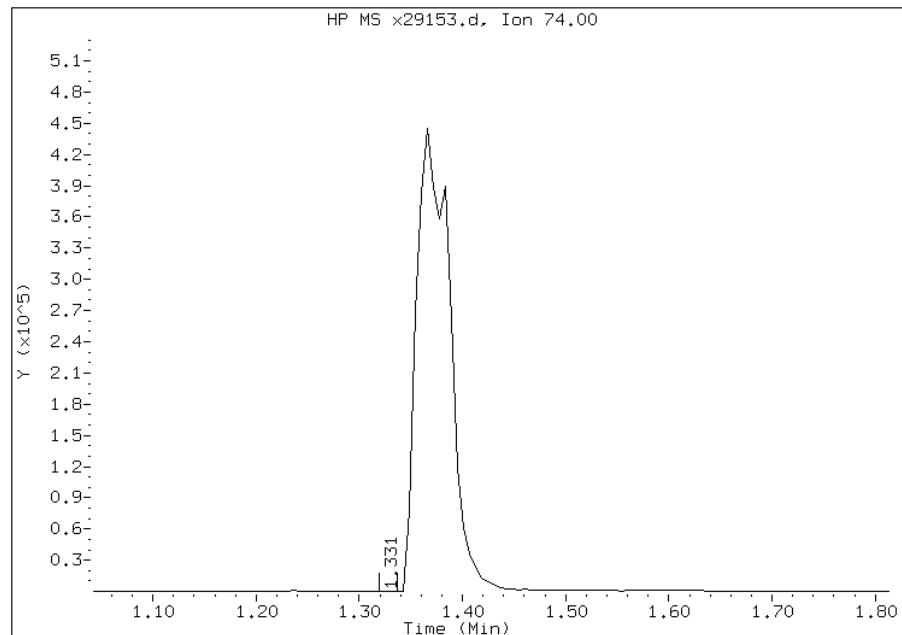
### Processing Integration Results

RT: 1.33

Response: 105

Amount: 0

Conc: 0



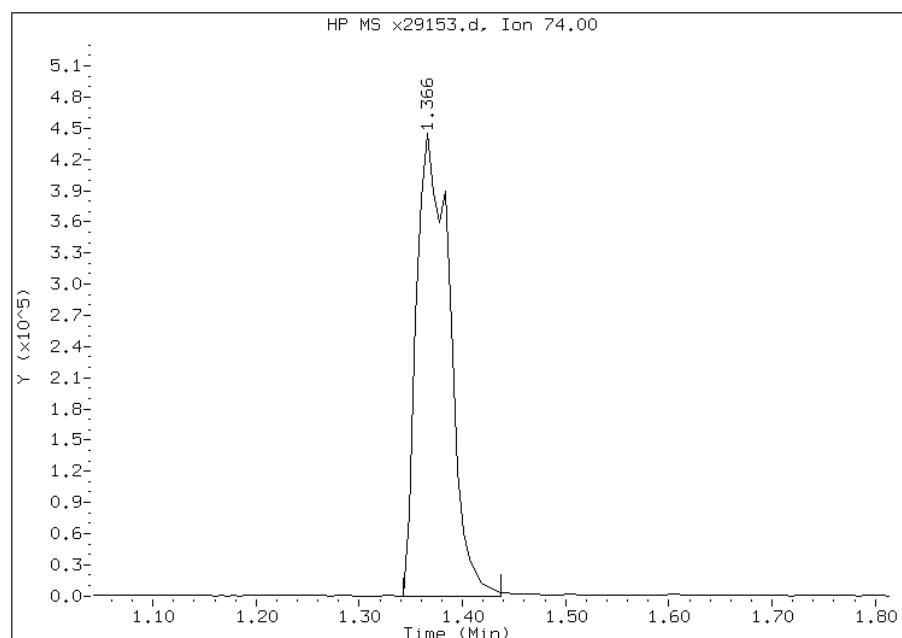
### Manual Integration Results

RT: 1.37

Response: 1006077

Amount: 76

Conc: 76



Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29153.d  
Inj. Date and Time: 11-AUG-2012 13:16  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 71 Pyridine  
CAS #: 110-86-1  
Report Date: 08/13/2012

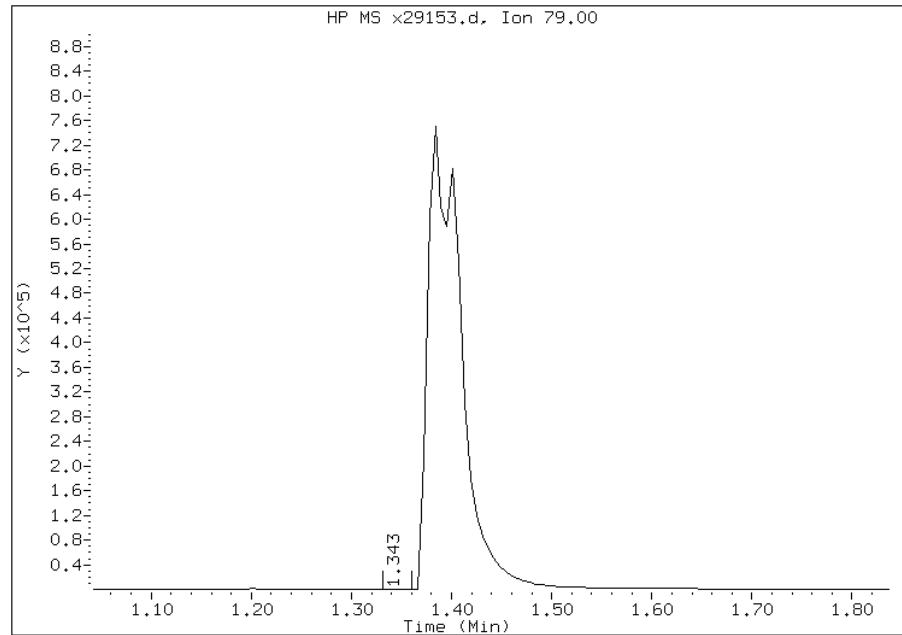
### Processing Integration Results

RT: 1.34

Response: 137

Amount: 0

Conc: 0



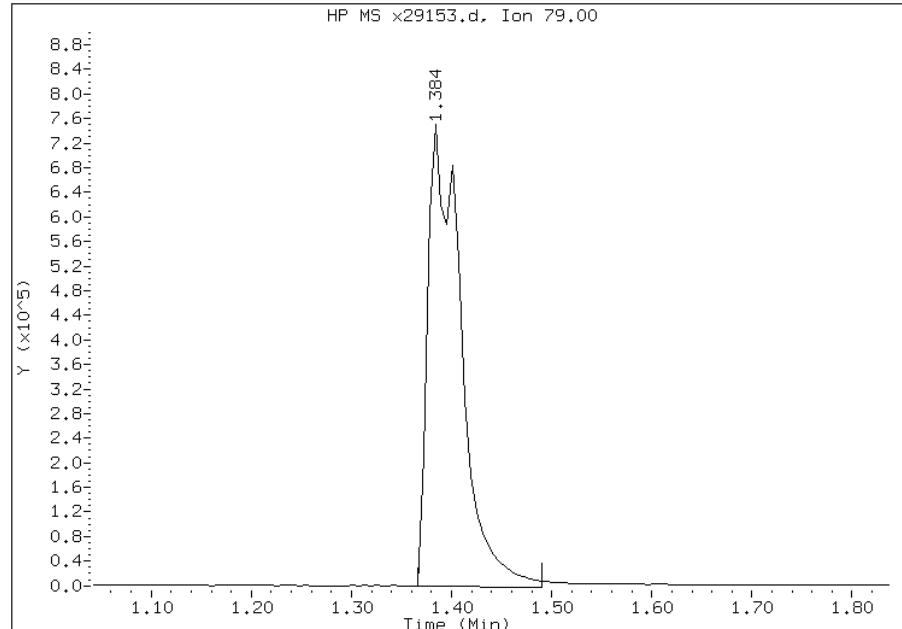
### Manual Integration Results

RT: 1.38

Response: 1754177

Amount: 75

Conc: 75



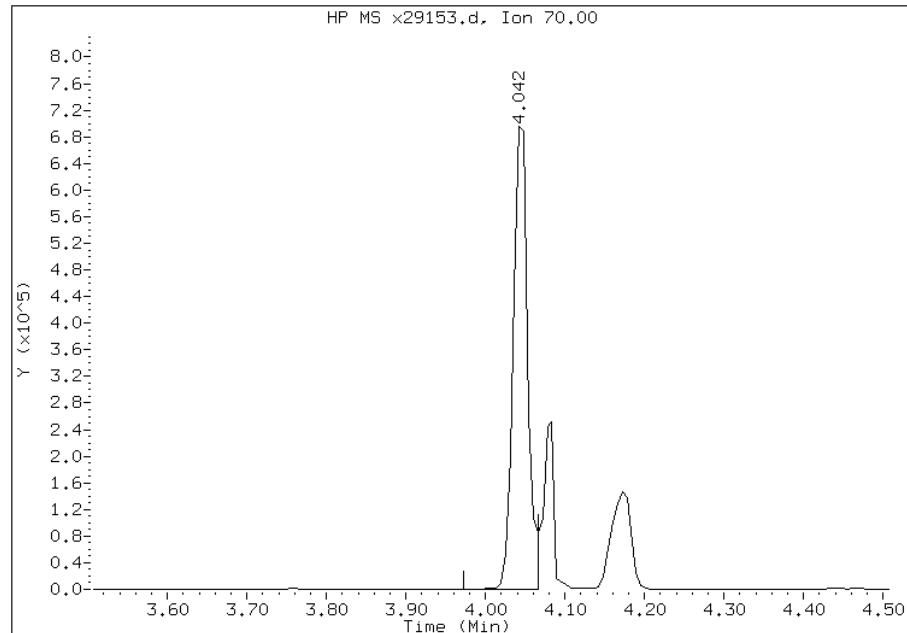
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29153.d  
Inj. Date and Time: 11-AUG-2012 13:16  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 25 N-Nitroso-di-n-propylamine  
CAS #: 621-64-7  
Report Date: 08/13/2012

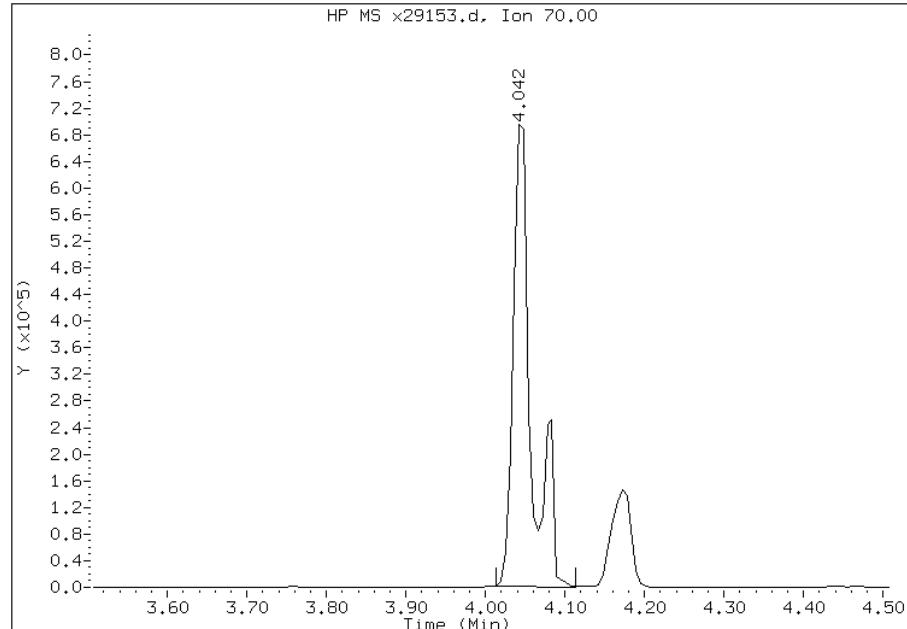
### Processing Integration Results

RT: 4.04  
Response: 902004  
Amount: 61  
Conc: 61



### Manual Integration Results

RT: 4.04  
Response: 1119820  
Amount: 73  
Conc: 73



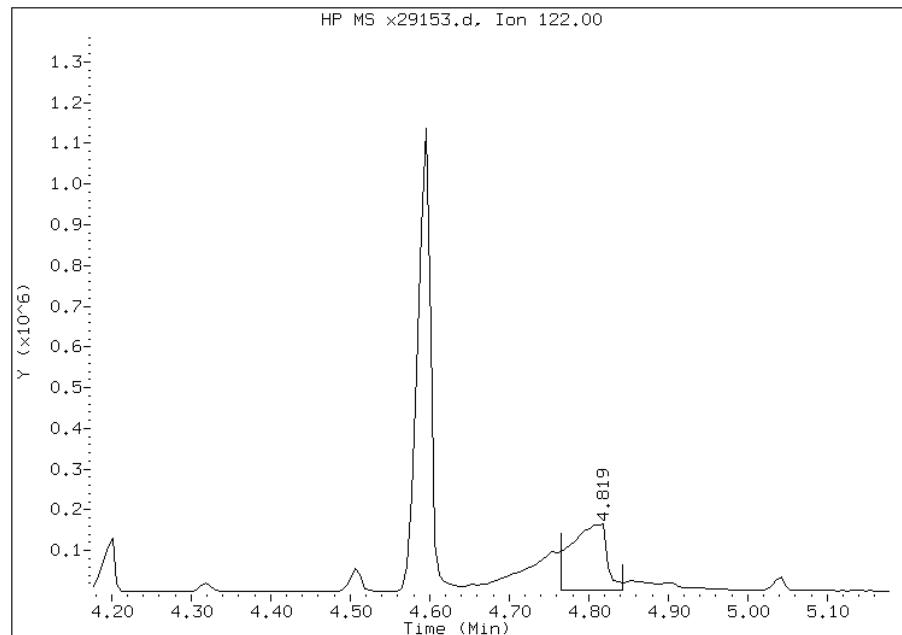
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29153.d  
Inj. Date and Time: 11-AUG-2012 13:16  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/13/2012

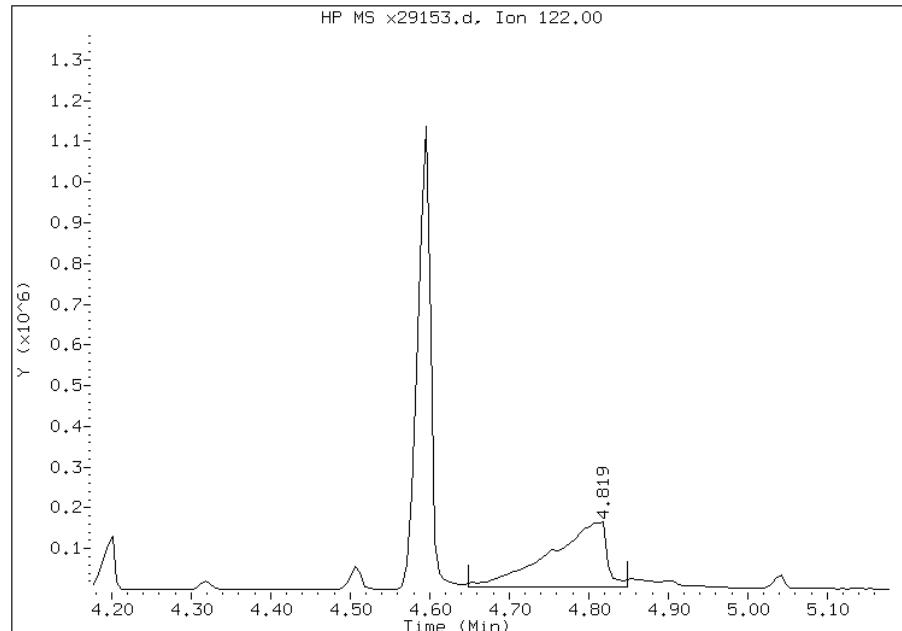
### Processing Integration Results

RT: 4.82  
Response: 523670  
Amount: 106  
Conc: 106



### Manual Integration Results

RT: 4.82  
Response: 811155  
Amount: 79  
Conc: 79



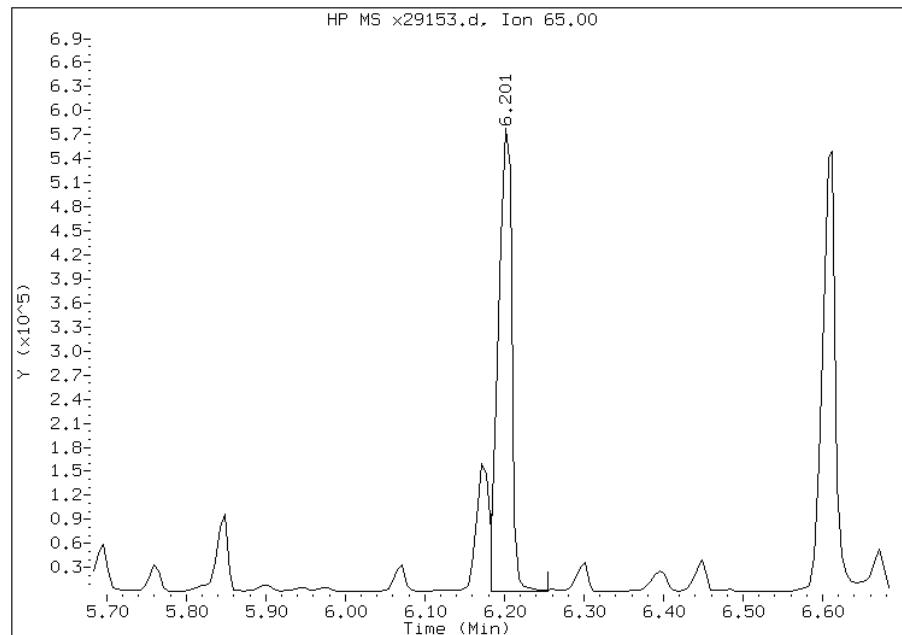
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29153.d  
Inj. Date and Time: 11-AUG-2012 13:16  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 37 2-Nitroaniline  
CAS #: 88-74-4  
Report Date: 08/13/2012

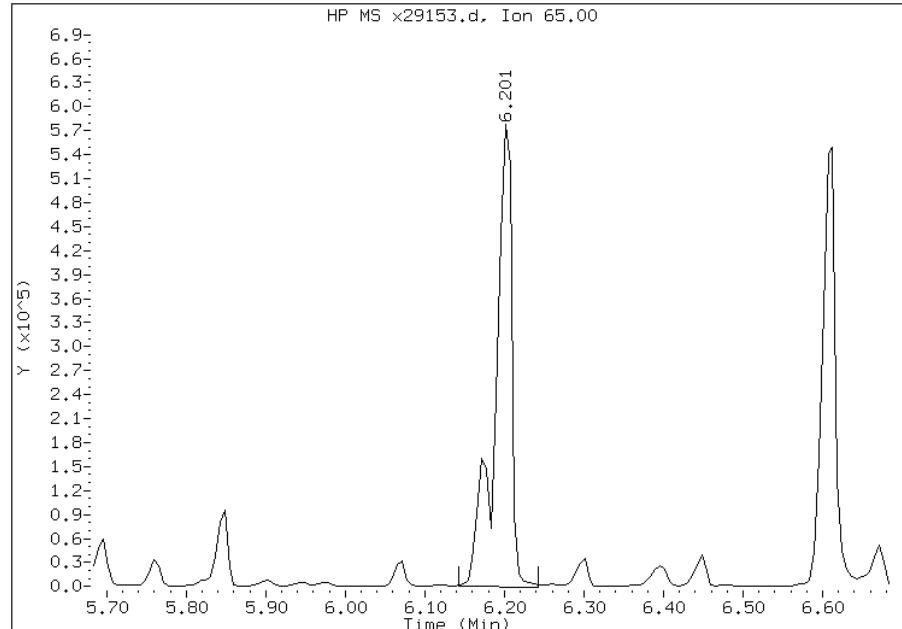
### Processing Integration Results

RT: 6.20  
Response: 695905  
Amount: 72  
Conc: 72



### Manual Integration Results

RT: 6.20  
Response: 853854  
Amount: 86  
Conc: 86



Manually Integrated By: wahied  
Manual Integration Reason:

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29154.d  
Report Date: 13-Aug-2012 10:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29154.d  
Lab Smp Id: IC-1564212  
Inj Date : 11-AUG-2012 13:38  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : IC-1564212  
Misc Info : 20ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/8270C\_11.m  
Meth Date : 13-Aug-2012 10:22 monica Quant Type: ISTD  
Cal Date : 11-AUG-2012 13:38 Cal File: x29154.d  
Als bottle: 5 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT
=====	====	=====	=====	=====	=====	=====	=====
106 1,4-Dioxane	88	1.113	1.113 (0.311)		188020	20.0000	20(H)
19 N-Nitrosodimethylamine	74	1.301	1.301 (0.364)		249066	20.0000	20
71 Pyridine	79	1.319	1.319 (0.369)		444320	20.0000	20
\$ 16 2-Fluorophenol (SUR)	112	2.343	2.343 (0.655)		428581	20.0000	21
110 Benzaldehyde	77	3.131	3.131 (0.875)		260377	20.0000	23
73 Aniline	93	3.248	3.248 (0.908)		613910	20.0000	20
\$ 17 Phenol-d5 (SUR)	99	3.248	3.248 (0.908)		514305	20.0000	21
1 Phenol	94	3.266	3.266 (0.913)		586668	20.0000	22
20 bis(2-Chloroethyl)ether	93	3.325	3.325 (0.929)		420213	20.0000	19
2 2-Chlorophenol	128	3.372	3.372 (0.942)		487667	20.0000	22
113 n-decane	43	3.437	3.437 (0.961)		452934	20.0000	21
21 1,3-Dichlorobenzene	146	3.519	3.519 (0.984)		537080	20.0000	20
* 79 1,4-Dichlorobenzene-d4	152	3.578	3.578 (1.000)		625644	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29154.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	3.595	3.595 (1.005)		546224	20.0000	21
74 Benzyl Alcohol	108	3.742	3.742 (1.046)		246563	20.0000	21
23 1,2-Dichlorobenzene	146	3.748	3.748 (1.048)		493227	20.0000	21
24 bis (2-chloroisopropyl) ether	45	3.878	3.878 (1.084)		466339	20.0000	20
3 2-Methylphenol	108	3.878	3.878 (1.084)		407278	20.0000	22
104 Acetophenone	105	4.007	4.007 (1.120)		547753	20.0000	20
25 N-Nitroso-di-n-propylamine	70	4.019	4.019 (1.123)		298100	20.0000	20
4 4-Methylphenol	108	4.042	4.042 (1.130)		411222	20.0000	23
123 3 & 4 Methylphenol	108	4.042	4.042 (1.130)		427031	20.0000	24
26 Hexachloroethane	117	4.089	4.089 (1.143)		194238	20.0000	21
\$ 76 Nitrobenzene-d5 (SUR)	82	4.148	4.148 (0.851)		484166	20.0000	21
27 Nitrobenzene	77	4.172	4.172 (0.856)		594384	20.0000	20
107 N,N-Dimethylaniline	120	4.178	4.178 (1.168)		623776	20.0000	21
28 Isophorone	82	4.419	4.419 (0.907)		722945	20.0000	20
5 2-Nitrophenol	139	4.495	4.495 (0.923)		243704	20.0000	21
6 2,4-Dimethylphenol	122	4.578	4.578 (0.940)		378690	20.0000	21
29 bis(2-Chloroethoxy)methane	93	4.660	4.660 (0.957)		437083	20.0000	20
15 Benzoic Acid	122	4.731	4.731 (0.971)		214982	20.0000	22(H)
7 2,4-Dichlorophenol	162	4.754	4.754 (0.976)		362422	20.0000	22
30 1,2,4-Trichlorobenzene	180	4.825	4.825 (0.990)		397481	20.0000	20
* 80 Naphthalene-d8	136	4.872	4.872 (1.000)		2207925	40.0000	
31 Naphthalene	128	4.889	4.889 (1.004)		1231024	20.0000	21
32 4-Chloroaniline	127	4.966	4.966 (1.019)		430370	20.0000	20
33 Hexachlorobutadiene	225	5.036	5.036 (1.034)		241177	20.0000	21
111 Caprolactam	113	5.331	5.331 (1.094)		94719	20.0000	21
8 4-Chloro-3-methylphenol	107	5.489	5.489 (1.127)		338194	20.0000	22
34 2-Methylnaphthalene	142	5.589	5.589 (1.147)		765444	20.0000	21
120 1-Methylnaphthalene	142	5.684	5.684 (1.167)		825966	20.0000	22
35 Hexachlorocyclopentadiene	237	5.754	5.754 (0.870)		147825	20.0000	15
129 1,2,4,5-Tetrachlorobenzene	216	5.760	5.760 (0.871)		396058	20.0000	22
121 2-tert-Butyl-4-methylphenol	149	5.836	5.836 (1.198)		539231	20.0000	22
9 2,4,6-Trichlorophenol	196	5.889	5.889 (0.891)		231032	20.0000	21
10 2,4,5-Trichlorophenol	196	5.931	5.931 (0.897)		242754	20.0000	22
\$ 77 2-Fluorobiphenyl (SUR)	172	5.966	5.966 (0.902)		850235	20.0000	21
102 Diphenyl	154	6.060	6.060 (0.916)		880744	20.0000	21
36 2-Chloronaphthalene	162	6.066	6.066 (0.917)		676714	20.0000	21
103 Diphenyl Ether	170	6.166	6.166 (0.932)		493624	20.0000	20
37 2-Nitroaniline	65	6.189	6.189 (0.936)		195190	20.0000	19
125 1,3-Dimethylnaphthalene	156	6.289	6.289 (0.951)		599624	20.0000	22
38 Dimethylphthalate	163	6.383	6.383 (0.965)		668983	20.0000	21
114 Coumarin	146	6.383	6.383 (1.310)		229462	20.0000	22
40 2,6-Dinitrotoluene	165	6.436	6.436 (0.973)		157322	20.0000	20
39 Acenaphthylene	152	6.472	6.472 (0.979)		1035146	20.0000	20
41 3-Nitroaniline	138	6.595	6.595 (0.997)		155122	20.0000	21
* 82 Acenaphthene-d10	164	6.613	6.613 (1.000)		1100832	40.0000	
42 Acenaphthene	154	6.642	6.642 (1.004)		615415	20.0000	21
122 2,6-Di-tert-butyl-p-cresol	205	6.666	6.666 (1.008)		637343	20.0000	23

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29154.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.701	6.701 (1.013)			97723	30.0000	28
12 4-Nitrophenol	65	6.801	6.801 (1.028)			164016	30.0000	31
43 Dibenzofuran	168	6.813	6.813 (1.030)			897785	20.0000	21
44 2,4-Dinitrotoluene	165	6.825	6.825 (1.032)			190525	20.0000	20
130 2,3,4,6-Tetrachlorophenol	232	6.948	6.948 (1.051)			163933	20.0000	21
45 Diethylphthalate	149	7.078	7.078 (1.070)			617879	20.0000	20
47 Fluorene	166	7.148	7.148 (1.081)			711460	20.0000	21
46 4-Chlorophenyl-phenylether	204	7.160	7.160 (1.083)			357538	20.0000	21
48 4-Nitroaniline	138	7.189	7.189 (1.087)			128547	20.0000	21
13 4,6-Dinitro-2-methylphenol	198	7.225	7.225 (0.897)			142566	30.0000	29
49 N-Nitrosodiphenylamine	169	7.283	7.283 (0.904)			467963	20.0000	21
75 1,2-Diphenylhydrazine	77	7.313	7.313 (0.908)			764963	20.0000	21
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.389	7.389 (1.117)			121335	20.0000	21
50 4-Bromophenyl-phenylether	248	7.630	7.630 (0.947)			201448	20.0000	20
51 Hexachlorobenzene	284	7.689	7.689 (0.955)			230413	20.0000	20
112 Atrazine	200	7.825	7.825 (0.972)			152343	20.0000	21
14 Pentachlorophenol	266	7.889	7.889 (0.980)			166463	30.0000	30
132 Pentachloronitrobenzene	237	7.901	7.901 (0.981)			74086	20.0000	21
115 n-Octadecane	57	8.007	8.007 (0.994)			415811	20.0000	21
* 83 Phenanthrene-d10	188	8.054	8.054 (1.000)			1444300	40.0000	
52 Phenanthrene	178	8.077	8.077 (1.003)			844737	20.0000	21
53 Anthracene	178	8.125	8.125 (1.009)			849240	20.0000	21
54 Carbazole	167	8.295	8.295 (1.030)			677715	20.0000	21
55 Di-n-butylphthalate	149	8.666	8.666 (1.076)			829537	20.0000	21
56 Fluoranthene	202	9.230	9.230 (1.146)			730302	20.0000	21
58 Benzidine	184	9.383	9.383 (1.165)			183217	30.0000	35
57 Pyrene	202	9.442	9.442 (0.886)			706044	20.0000	20
\$ 78 Terphenyl-d14	244	9.619	9.619 (0.903)			548755	20.0000	21
59 Butylbenzylphthalate	149	10.113	10.113 (0.949)			252729	20.0000	20
124 Carbamazepine	193	10.201	10.201 (0.957)			190197	20.0000	20
60 3,3'-Dichlorobenzidine	252	10.636	10.636 (0.998)			248517	30.0000	31
61 Benzo(a)anthracene	228	10.642	10.642 (0.999)			504094	20.0000	19
* 81 Chrysene-d12	240	10.654	10.654 (1.000)			855279	40.0000	
62 Chrysene	228	10.677	10.677 (1.002)			479054	20.0000	20
63 bis(2-Ethylhexyl)phthalate	149	10.730	10.730 (1.007)			331745	20.0000	20
64 Di-n-octylphthalate	149	11.477	11.477 (0.930)			456334	20.0000	20
65 Benzo(b)fluoranthene	252	11.871	11.871 (0.962)			404930	20.0000	21
66 Benzo(k)fluoranthene	252	11.901	11.901 (0.965)			409065	20.0000	19
67 Benzo(a)pyrene	252	12.265	12.265 (0.994)			309668	20.0000	20
* 84 Perylene-d12	264	12.336	12.336 (1.000)			646980	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.671	13.671 (1.108)			277859	20.0000	18
69 Dibenz(a,h)anthracene	278	13.701	13.701 (1.111)			300336	20.0000	20
70 Benzo(g,h,i)perylene	276	13.989	13.989 (1.134)			307468	20.0000	20

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29154.d  
Report Date: 13-Aug-2012 10:22

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: x29154.d

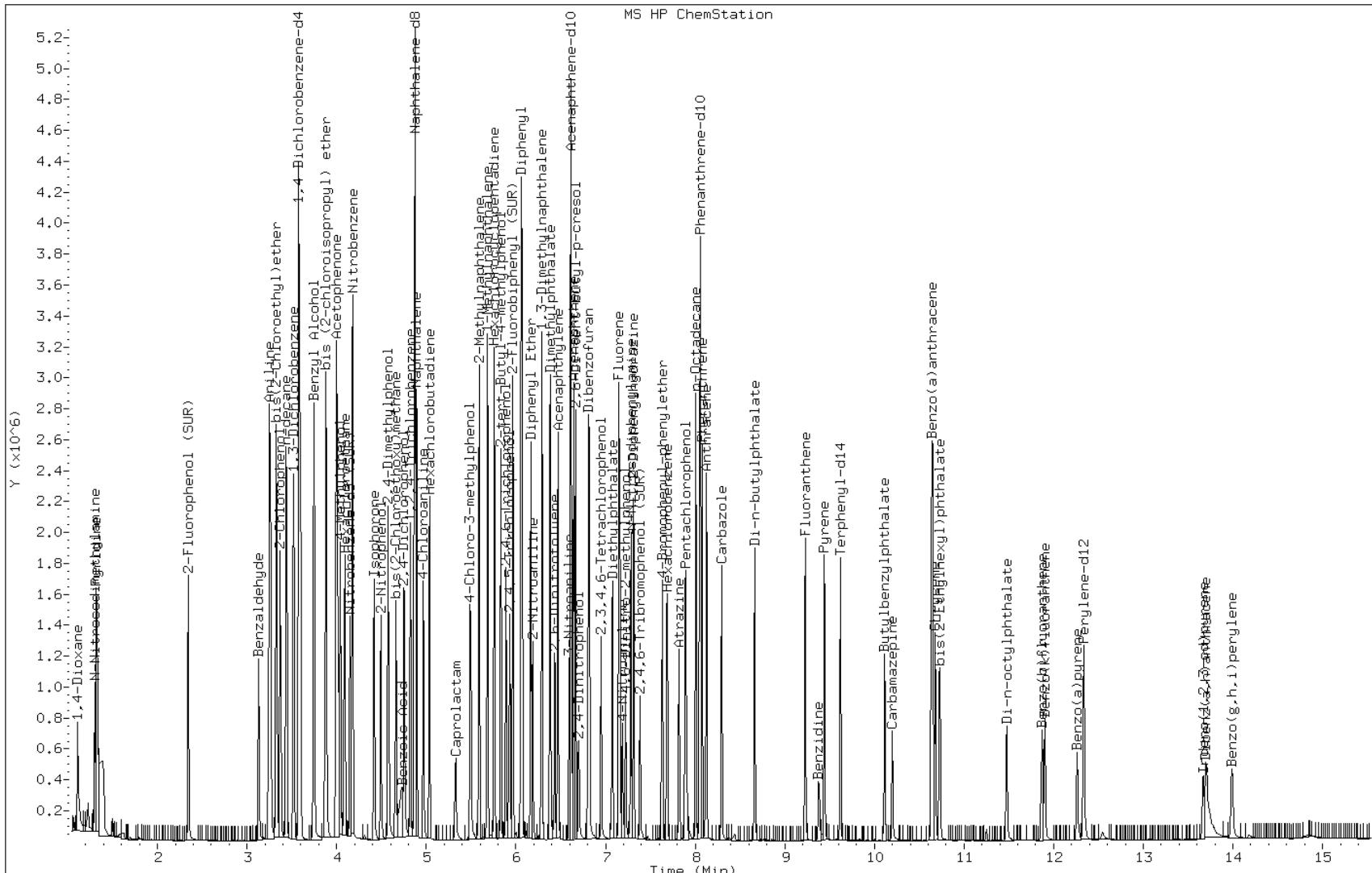
Date: 11-AUG-2012 13:38

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1564212

Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29155.d  
Report Date: 13-Aug-2012 10:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29155.d  
Lab Smp Id: IC-1564209  
Inj Date : 11-AUG-2012 14:00  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : IC-1564209  
Misc Info : 10ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/8270C\_11.m  
Meth Date : 13-Aug-2012 10:22 monica Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:00 Cal File: x29155.d  
Als bottle: 6 Calibration Sample, Level: 6  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	1.119	1.119	(0.313)		103728	10.0000	11
19 N-Nitrosodimethylamine	74	1.307	1.307	(0.365)		136118	10.0000	10
71 Pyridine	79	1.331	1.331	(0.372)		251480	10.0000	11
\$ 16 2-Fluorophenol (SUR)	112	2.343	2.343	(0.655)		224906	10.0000	10
110 Benzaldehyde	77	3.131	3.131	(0.875)		155587	10.0000	13
73 Aniline	93	3.242	3.242	(0.906)		355389	10.0000	11
\$ 17 Phenol-d5 (SUR)	99	3.242	3.242	(0.906)		280738	10.0000	11
1 Phenol	94	3.260	3.260	(0.911)		306909	10.0000	11
20 bis(2-Chloroethyl)ether	93	3.319	3.319	(0.928)		233183	10.0000	10
2 2-Chlorophenol	128	3.366	3.366	(0.941)		253828	10.0000	11
113 n-decane	43	3.437	3.437	(0.961)		232931	10.0000	10
21 1,3-Dichlorobenzene	146	3.519	3.519	(0.984)		304680	10.0000	11
* 79 1,4-Dichlorobenzene-d4	152	3.578	3.578	(1.000)		660654	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29155.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22 1,4-Dichlorobenzene	146	3.595	3.595	(1.005)		301744	10.0000	11
74 Benzyl Alcohol	108	3.737	3.737	(1.044)		117595	10.0000	9.7
23 1,2-Dichlorobenzene	146	3.748	3.748	(1.048)		283635	10.0000	11
24 bis (2-chloroisopropyl) ether	45	3.878	3.878	(1.084)		262656	10.0000	11
3 2-Methylphenol	108	3.872	3.872	(1.082)		204780	10.0000	11
104 Acetophenone	105	4.001	4.001	(1.118)		312046	10.0000	11
25 N-Nitroso-di-n-propylamine	70	4.013	4.013	(1.122)		169361	10.0000	11
4 4-Methylphenol	108	4.037	4.037	(1.128)		203503	10.0000	11
123 3 & 4 Methylphenol	108	4.037	4.037	(1.128)		203503	10.0000	11
26 Hexachloroethane	117	4.089	4.089	(1.143)		108144	10.0000	11
\$ 76 Nitrobenzene-d5 (SUR)	82	4.148	4.148	(0.851)		259973	10.0000	10
27 Nitrobenzene	77	4.166	4.166	(0.855)		348860	10.0000	11
107 N,N-Dimethylaniline	120	4.172	4.172	(1.166)		351964	10.0000	11
28 Isophorone	82	4.413	4.413	(0.906)		404599	10.0000	10
5 2-Nitrophenol	139	4.495	4.495	(0.923)		122672	10.0000	10
6 2,4-Dimethylphenol	122	4.572	4.572	(0.938)		201691	10.0000	11
29 bis(2-Chloroethoxy)methane	93	4.654	4.654	(0.955)		244155	10.0000	10
15 Benzoic Acid	122	4.701	4.701	(0.965)		99552	10.0000	9.4(H)
7 2,4-Dichlorophenol	162	4.748	4.748	(0.975)		189585	10.0000	11
30 1,2,4-Trichlorobenzene	180	4.819	4.819	(0.989)		221334	10.0000	11
* 80 Naphthalene-d8	136	4.872	4.872	(1.000)		2340044	40.0000	
31 Naphthalene	128	4.889	4.889	(1.004)		689378	10.0000	11
32 4-Chloroaniline	127	4.966	4.966	(1.019)		249414	10.0000	11
33 Hexachlorobutadiene	225	5.036	5.036	(1.034)		135882	10.0000	11
111 Caprolactam	113	5.307	5.307	(1.089)		49649	10.0000	10
8 4-Chloro-3-methylphenol	107	5.489	5.489	(1.127)		175963	10.0000	10
34 2-Methylnaphthalene	142	5.589	5.589	(1.147)		435043	10.0000	11
120 1-Methylnaphthalene	142	5.683	5.683	(1.167)		428133	10.0000	11
35 Hexachlorocyclopentadiene	237	5.754	5.754	(0.870)		69560	10.0000	6.9
129 1,2,4,5-Tetrachlorobenzene	216	5.760	5.760	(0.871)		207024	10.0000	11
121 2-tert-Butyl-4-methylphenol	149	5.831	5.831	(1.197)		266191	10.0000	10
9 2,4,6-Trichlorophenol	196	5.889	5.889	(0.891)		113645	10.0000	9.6
10 2,4,5-Trichlorophenol	196	5.925	5.925	(0.896)		118838	10.0000	9.9
\$ 77 2-Fluorobiphenyl (SUR)	172	5.966	5.966	(0.902)		455807	10.0000	11
102 Diphenyl	154	6.060	6.060	(0.916)		503745	10.0000	12
36 2-Chloronaphthalene	162	6.066	6.066	(0.917)		375427	10.0000	11
103 Diphenyl Ether	170	6.166	6.166	(0.932)		274143	10.0000	11
37 2-Nitroaniline	65	6.183	6.183	(0.935)		110543	10.0000	10
125 1,3-Dimethylnaphthalene	156	6.289	6.289	(0.951)		310206	10.0000	10
38 Dimethylphthalate	163	6.378	6.378	(0.964)		367905	10.0000	11
114 Coumarin	146	6.378	6.378	(1.309)		116609	10.0000	10
40 2,6-Dinitrotoluene	165	6.430	6.430	(0.972)		86238	10.0000	10
39 Acenaphthylene	152	6.472	6.472	(0.979)		576324	10.0000	11
41 3-Nitroaniline	138	6.589	6.589	(0.996)		86922	10.0000	11
* 82 Acenaphthene-d10	164	6.613	6.613	(1.000)		1168420	40.0000	
42 Acenaphthene	154	6.642	6.642	(1.004)		341381	10.0000	11
122 2,6-Di-tert-butyl-p-cresol	205	6.666	6.666	(1.008)		294787	10.0000	10

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29155.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.701	6.701 (1.013)			57529	20.0000	16
12 4-Nitrophenol	65	6.801	6.801 (1.028)			114235	20.0000	20
43 Dibenzofuran	168	6.813	6.813 (1.030)			505086	10.0000	11
44 2,4-Dinitrotoluene	165	6.825	6.825 (1.032)			105540	10.0000	11
130 2,3,4,6-Tetrachlorophenol	232	6.948	6.948 (1.051)			83436	10.0000	10
45 Diethylphthalate	149	7.072	7.072 (1.069)			338465	10.0000	10
47 Fluorene	166	7.148	7.148 (1.081)			397560	10.0000	11
46 4-Chlorophenyl-phenylether	204	7.160	7.160 (1.083)			201687	10.0000	11
48 4-Nitroaniline	138	7.183	7.183 (1.086)			72812	10.0000	11
13 4,6-Dinitro-2-methylphenol	198	7.219	7.219 (0.896)			95303	20.0000	18
49 N-Nitrosodiphenylamine	169	7.277	7.277 (0.904)			245253	10.0000	10
75 1,2-Diphenylhydrazine	77	7.313	7.313 (0.908)			432874	10.0000	11
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.383	7.383 (1.117)			57791	10.0000	9.5
50 4-Bromophenyl-phenylether	248	7.630	7.630 (0.947)			110151	10.0000	10
51 Hexachlorobenzene	284	7.683	7.683 (0.954)			126573	10.0000	10
112 Atrazine	200	7.819	7.819 (0.971)			86122	10.0000	11
14 Pentachlorophenol	266	7.889	7.889 (0.980)			109842	20.0000	19
132 Pentachloronitrobenzene	237	7.895	7.895 (0.980)			39668	10.0000	10
115 n-Octadecane	57	8.007	8.007 (0.994)			210806	10.0000	10
* 83 Phenanthrene-d10	188	8.054	8.054 (1.000)			1552381	40.0000	
52 Phenanthrene	178	8.077	8.077 (1.003)			471381	10.0000	11
53 Anthracene	178	8.124	8.124 (1.009)			475674	10.0000	11
54 Carbazole	167	8.295	8.295 (1.030)			382409	10.0000	11
55 Di-n-butylphthalate	149	8.666	8.666 (1.076)			444450	10.0000	10
56 Fluoranthene	202	9.224	9.224 (1.145)			402417	10.0000	11
58 Benzidine	184	9.377	9.377 (1.164)			221698	20.0000	39
57 Pyrene	202	9.442	9.442 (0.886)			396158	10.0000	10
\$ 78 Terphenyl-d14	244	9.619	9.619 (0.903)			285157	10.0000	10
59 Butylbenzylphthalate	149	10.113	10.113 (0.949)			138445	10.0000	10
124 Carbamazepine	193	10.195	10.195 (0.957)			89833	10.0000	9.0
60 3,3'-Dichlorobenzidine	252	10.636	10.636 (0.998)			180851	20.0000	19
61 Benzo(a)anthracene	228	10.636	10.636 (0.998)			278353	10.0000	9.8
* 81 Chrysene-d12	240	10.654	10.654 (1.000)			920419	40.0000	
62 Chrysene	228	10.677	10.677 (1.002)			271288	10.0000	11
63 bis(2-Ethylhexyl)phthalate	149	10.730	10.730 (1.007)			180082	10.0000	10
64 Di-n-octylphthalate	149	11.477	11.477 (0.930)			234040	10.0000	9.7
65 Benzo(b)fluoranthene	252	11.871	11.871 (0.962)			198927	10.0000	9.8
66 Benzo(k)fluoranthene	252	11.901	11.901 (0.965)			238954	10.0000	11
67 Benzo(a)pyrene	252	12.265	12.265 (0.994)			165144	10.0000	10
* 84 Perylene-d12	264	12.336	12.336 (1.000)			679340	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.665	13.665 (1.108)			133383	10.0000	8.4
69 Dibenz(a,h)anthracene	278	13.701	13.701 (1.111)			156304	10.0000	10
70 Benzo(g,h,i)perylene	276	13.989	13.989 (1.134)			158708	10.0000	10

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29155.d  
Report Date: 13-Aug-2012 10:22

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: x29155.d

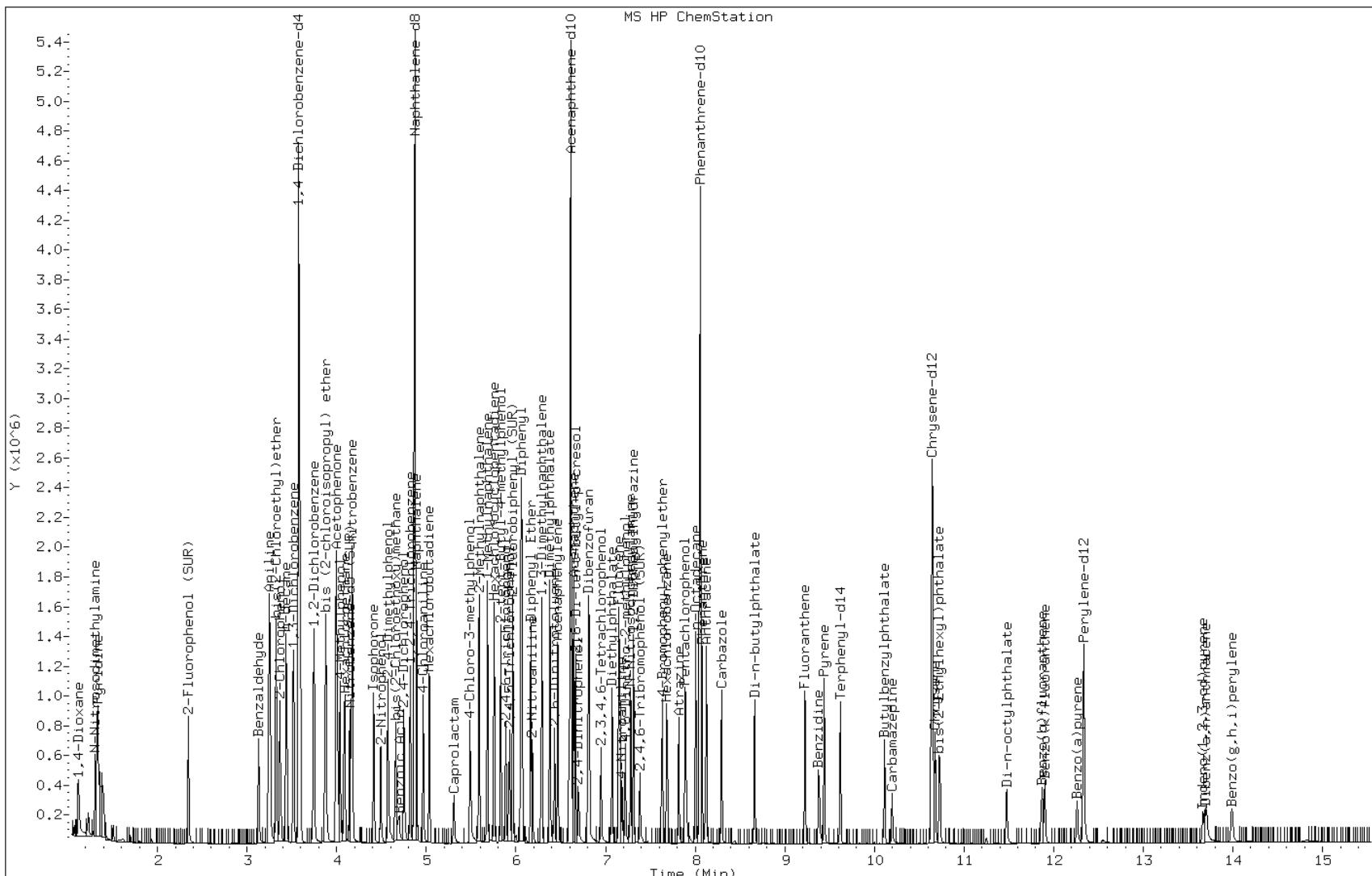
Date: 11-AUG-2012 14:00

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1564209

Operator: BNAMS 4



Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29156.d  
Report Date: 13-Aug-2012 10:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29156.d  
Lab Smp Id: IC-1564202  
Inj Date : 11-AUG-2012 14:22  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : IC-1564202  
Misc Info : 5ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/8270C\_11.m  
Meth Date : 13-Aug-2012 10:22 monica Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 7 Calibration Sample, Level: 1  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	1.119	1.119 (0.313)			55488	5.00000	5.4
19 N-Nitrosodimethylamine	74	1.313	1.313 (0.367)			75328	5.00000	5.4
71 Pyridine	79	1.337	1.337 (0.374)			129640	5.00000	5.3
\$ 16 2-Fluorophenol (SUR)	112	2.348	2.348 (0.656)			115429	5.00000	5.1
110 Benzaldehyde	77	3.131	3.131 (0.875)			87364	5.00000	6.8
73 Aniline	93	3.242	3.242 (0.906)			194405	5.00000	5.7
\$ 17 Phenol-d5 (SUR)	99	3.242	3.242 (0.906)			150716	5.00000	5.5
1 Phenol	94	3.254	3.254 (0.910)			166841	5.00000	5.5
20 bis(2-Chloroethyl)ether	93	3.319	3.319 (0.928)			11538	0.50000	0.47(aM)
2 2-Chlorophenol	128	3.366	3.366 (0.941)			136268	5.00000	5.4
113 n-decane	43	3.437	3.437 (0.961)			129607	5.00000	5.5
21 1,3-Dichlorobenzene	146	3.519	3.519 (0.984)			163782	5.00000	5.6
* 79 1,4-Dichlorobenzene-d4	152	3.578	3.578 (1.000)			698063	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29156.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	3.595	3.595	(1.005)	161005	5.00000	5.6
74 Benzyl Alcohol	108	3.737	3.737	(1.044)	57648	5.00000	4.5(a)
23 1,2-Dichlorobenzene	146	3.748	3.748	(1.048)	153743	5.00000	5.8
24 bis (2-chloroisopropyl) ether	45	3.872	3.872	(1.082)	145941	5.00000	5.6
3 2-Methylphenol	108	3.872	3.872	(1.082)	110770	5.00000	5.4
104 Acetophenone	105	3.995	3.995	(1.117)	163008	5.00000	5.5
25 N-Nitroso-di-n-propylamine	70	4.007	4.007	(1.120)	9315	0.50000	0.57
4 4-Methylphenol	108	4.031	4.031	(1.127)	103908	5.00000	5.2
123 3 & 4 Methylphenol	108	4.031	4.031	(1.127)	108383	5.00000	5.4
26 Hexachloroethane	117	4.089	4.089	(1.143)	5661	0.50000	0.55
\$ 76 Nitrobenzene-d5 (SUR)	82	4.142	4.142	(0.850)	137769	5.00000	5.3
27 Nitrobenzene	77	4.166	4.166	(0.855)	19650	0.50000	0.60
107 N,N-Dimethylaniline	120	4.172	4.172	(1.166)	18391	0.50000	0.56
28 Isophorone	82	4.413	4.413	(0.906)	226738	5.00000	5.6
5 2-Nitrophenol	139	4.489	4.489	(0.922)	64009	5.00000	5.0
6 2,4-Dimethylphenol	122	4.572	4.572	(0.938)	109700	5.00000	5.5
29 bis(2-Chloroethoxy)methane	93	4.654	4.654	(0.955)	136938	5.00000	5.6
15 Benzoic Acid	122	4.678	4.678	(0.960)	42975	5.00000	3.9(aMH)
7 2,4-Dichlorophenol	162	4.748	4.748	(0.975)	100182	5.00000	5.4
30 1,2,4-Trichlorobenzene	180	4.819	4.819	(0.989)	11761	0.50000	0.54
* 80 Naphthalene-d8	136	4.872	4.872	(1.000)	2465648	40.0000	
31 Naphthalene	128	4.889	4.889	(1.004)	385720	5.00000	5.8
32 4-Chloroaniline	127	4.966	4.966	(1.019)	134069	5.00000	5.7
33 Hexachlorobutadiene	225	5.031	5.031	(1.033)	14650	1.00000	1.1
111 Caprolactam	113	5.295	5.295	(1.087)	26000	5.00000	5.2
8 4-Chloro-3-methylphenol	107	5.489	5.489	(1.127)	99725	5.00000	5.7
34 2-Methylnaphthalene	142	5.584	5.584	(1.146)	236652	5.00000	5.8
120 1-Methylnaphthalene	142	5.684	5.684	(1.167)	246313	5.00000	5.8(a)
35 Hexachlorocyclopentadiene	237	5.754	5.754	(0.870)	37445	5.00000	3.4(a)
129 1,2,4,5-Tetrachlorobenzene	216	5.760	5.760	(0.871)	115577	5.00000	5.4
121 2-tert-Butyl-4-methylphenol	149	5.831	5.831	(1.197)	143398	5.00000	5.3
9 2,4,6-Trichlorophenol	196	5.883	5.883	(0.890)	61333	5.00000	4.7(a)
10 2,4,5-Trichlorophenol	196	5.925	5.925	(0.896)	63132	5.00000	4.8(a)
\$ 77 2-Fluorobiphenyl (SUR)	172	5.960	5.960	(0.901)	252927	5.00000	5.3
102 Diphenyl	154	6.054	6.054	(0.916)	277429	5.00000	5.8
36 2-Chloronaphthalene	162	6.066	6.066	(0.917)	214005	5.00000	5.7
103 Diphenyl Ether	170	6.166	6.166	(0.932)	153637	5.00000	5.4
37 2-Nitroaniline	65	6.183	6.183	(0.935)	126685	10.0000	10
125 1,3-Dimethylnaphthalene	156	6.283	6.283	(0.950)	179265	5.00000	5.5
38 Dimethylphthalate	163	6.378	6.378	(0.964)	209291	5.00000	5.5
114 Coumarin	146	6.378	6.378	(1.309)	69453	5.00000	5.9
40 2,6-Dinitrotoluene	165	6.431	6.431	(0.972)	9332	1.00000	1.0
39 Acenaphthylene	152	6.466	6.466	(0.978)	343949	5.00000	5.8
41 3-Nitroaniline	138	6.589	6.589	(0.996)	98522	10.0000	11
* 82 Acenaphthene-d10	164	6.613	6.613	(1.000)	1287159	40.0000	
42 Acenaphthene	154	6.642	6.642	(1.004)	193992	5.00000	5.6
122 2,6-Di-tert-butyl-p-cresol	205	6.666	6.666	(1.008)	149673	5.00000	4.6(a)

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29156.d  
 Report Date: 13-Aug-2012 10:22

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.695	6.695	(1.012)		45073	15.0000	11(a)
12 4-Nitrophenol	65	6.795	6.795	(1.028)		93921	15.0000	15
43 Dibenzofuran	168	6.813	6.813	(1.030)		283162	5.00000	5.7
44 2,4-Dinitrotoluene	165	6.819	6.819	(1.031)		12003	1.00000	1.1
130 2,3,4,6-Tetrachlorophenol	232	6.948	6.948	(1.051)		45877	5.00000	5.0
45 Diethylphthalate	149	7.072	7.072	(1.069)		196075	5.00000	5.5
47 Fluorene	166	7.142	7.142	(1.080)		223617	5.00000	5.7
46 4-Chlorophenyl-phenylether	204	7.160	7.160	(1.083)		114837	5.00000	5.8
48 4-Nitroaniline	138	7.183	7.183	(1.086)		84676	10.0000	12
13 4,6-Dinitro-2-methylphenol	198	7.219	7.219	(0.896)		79540	15.0000	13(a)
49 N-Nitrosodiphenylamine	169	7.278	7.278	(0.904)		147193	5.00000	5.4
75 1,2-Diphenylhydrazine	77	7.313	7.313	(0.908)		204539	5.00000	4.6(a)
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.383	7.383	(1.117)		29350	5.00000	4.4(a)
50 4-Bromophenyl-phenylether	248	7.630	7.630	(0.947)		62925	5.00000	5.2
51 Hexachlorobenzene	284	7.683	7.683	(0.954)		6979	0.50000	0.51
112 Atrazine	200	7.819	7.819	(0.971)		46746	5.00000	5.3
14 Pentachlorophenol	266	7.889	7.889	(0.980)		85436	15.0000	13(a)
132 Pentachloronitrobenzene	237	7.895	7.895	(0.980)		23883	5.00000	5.5
115 n-Octadecane	57	8.007	8.007	(0.994)		123064	5.00000	5.2
* 83 Phenanthrene-d10	188	8.054	8.054	(1.000)		1749676	40.0000	
52 Phenanthrene	178	8.072	8.072	(1.002)		268479	5.00000	5.5
53 Anthracene	178	8.125	8.125	(1.009)		268055	5.00000	5.5
54 Carbazole	167	8.295	8.295	(1.030)		221024	5.00000	5.6
55 Di-n-butylphthalate	149	8.666	8.666	(1.076)		251309	5.00000	5.2
56 Fluoranthene	202	9.224	9.224	(1.145)		238783	5.00000	5.6
58 Benzidine	184	9.383	9.383	(1.165)		50699	5.00000	8.0
57 Pyrene	202	9.442	9.442	(0.887)		232922	5.00000	5.2
\$ 78 Terphenyl-d14	244	9.619	9.619	(0.903)		166976	5.00000	5.0
59 Butylbenzylphthalate	149	10.113	10.113	(0.950)		80768	5.00000	5.0
124 Carbamazepine	193	10.195	10.195	(0.957)		52818	5.00000	4.5(a)
60 3,3'-Dichlorobenzidine	252	10.630	10.630	(0.998)		112303	10.0000	9.3(a)
61 Benzo(a)anthracene	228	10.636	10.636	(0.999)		20461	0.50000	0.62
* 81 Chrysene-d12	240	10.648	10.648	(1.000)		1078294	40.0000	
62 Chrysene	228	10.671	10.671	(1.002)		161225	5.00000	5.4
63 bis(2-Ethylhexyl)phthalate	149	10.724	10.724	(1.007)		103162	5.00000	4.9(a)
64 Di-n-octylphthalate	149	11.471	11.471	(0.930)		127989	5.00000	4.4(a)
65 Benzo(b)fluoranthene	252	11.865	11.865	(0.962)		10895	0.50000	0.45(a)
66 Benzo(k)fluoranthene	252	11.901	11.901	(0.965)		13598	0.50000	0.51
67 Benzo(a)pyrene	252	12.260	12.260	(0.994)		8898	0.50000	0.46(a)
* 84 Perylene-d12	264	12.336	12.336	(1.000)		812041	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.671	13.671	(1.108)		5870	0.50000	0.31(a)
69 Dibenz(a,h)anthracene	278	13.701	13.701	(1.111)		7332	0.50000	0.40(aM)
70 Benzo(g,h,i)perylene	276	13.983	13.983	(1.133)		85948	5.00000	4.5(a)

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29156.d  
Report Date: 13-Aug-2012 10:22

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: x29156.d

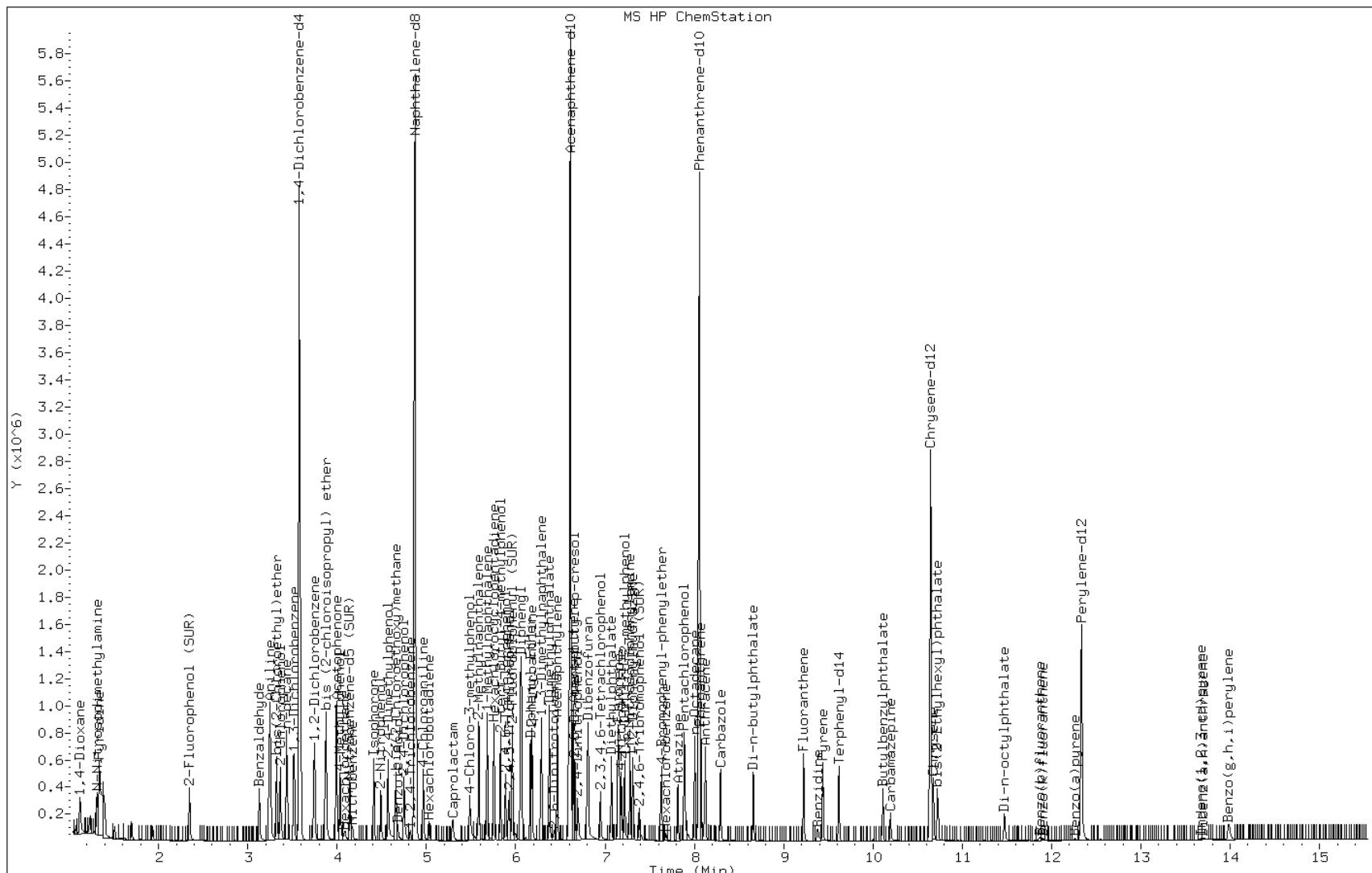
Date: 11-AUG-2012 14:22

Client ID:

Instrument: BNAMS5.i

Sample Info: IC-1564202

Operator: BNAMS 4

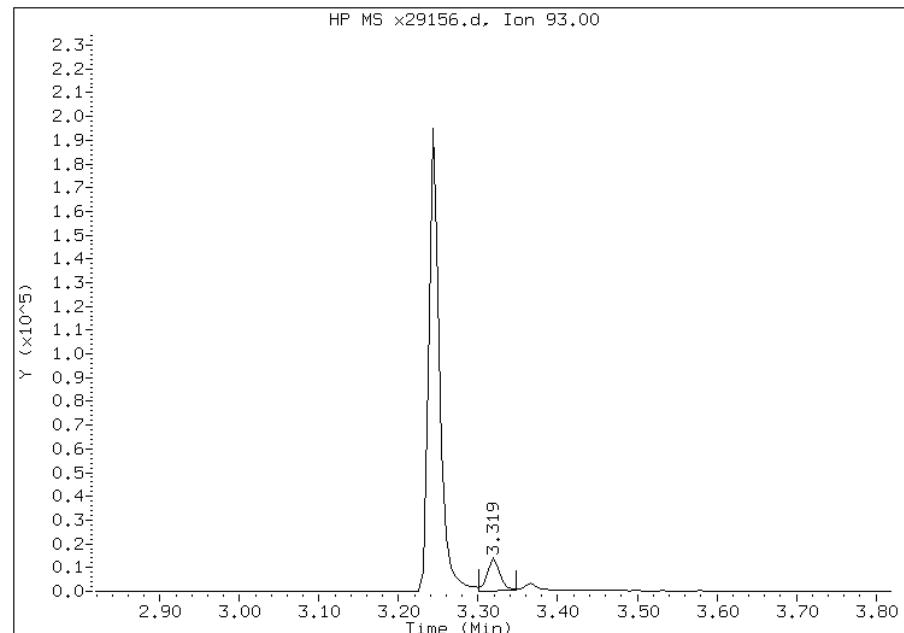


## Manual Integration Report

Data File: x29156.d  
Inj. Date and Time: 11-AUG-2012 14:22  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 20 bis(2-Chloroethyl)ether  
CAS #: 111-44-4  
Report Date: 08/13/2012

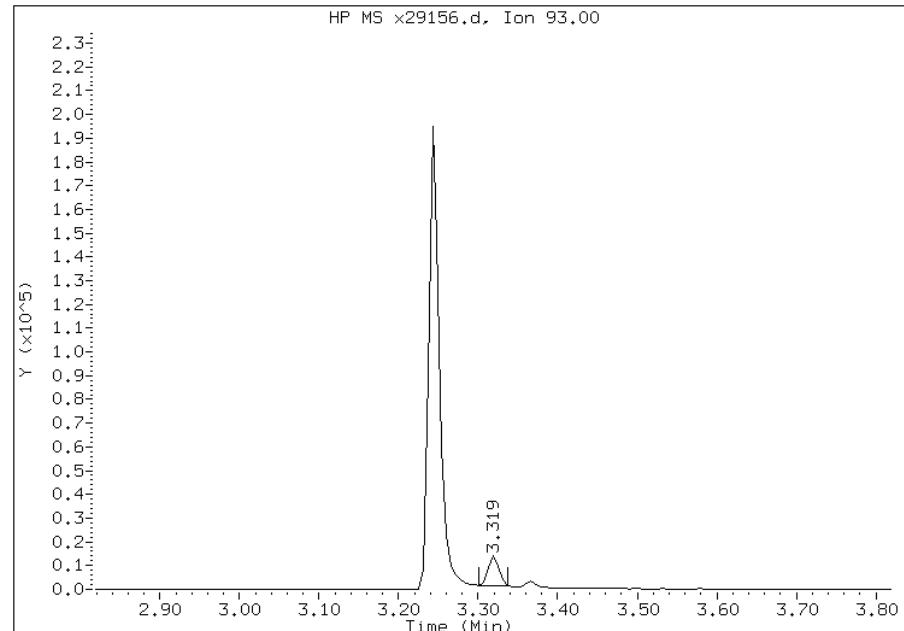
### Processing Integration Results

RT: 3.32  
Response: 15098  
Amount: 1  
Conc: 1



### Manual Integration Results

RT: 3.32  
Response: 11538  
Amount: 0  
Conc: 0



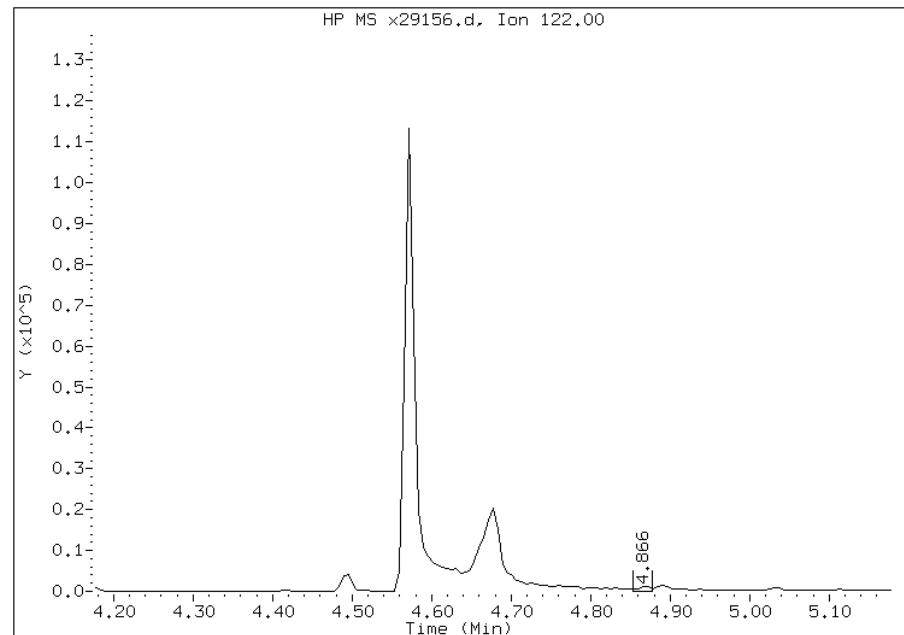
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29156.d  
Inj. Date and Time: 11-AUG-2012 14:22  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/13/2012

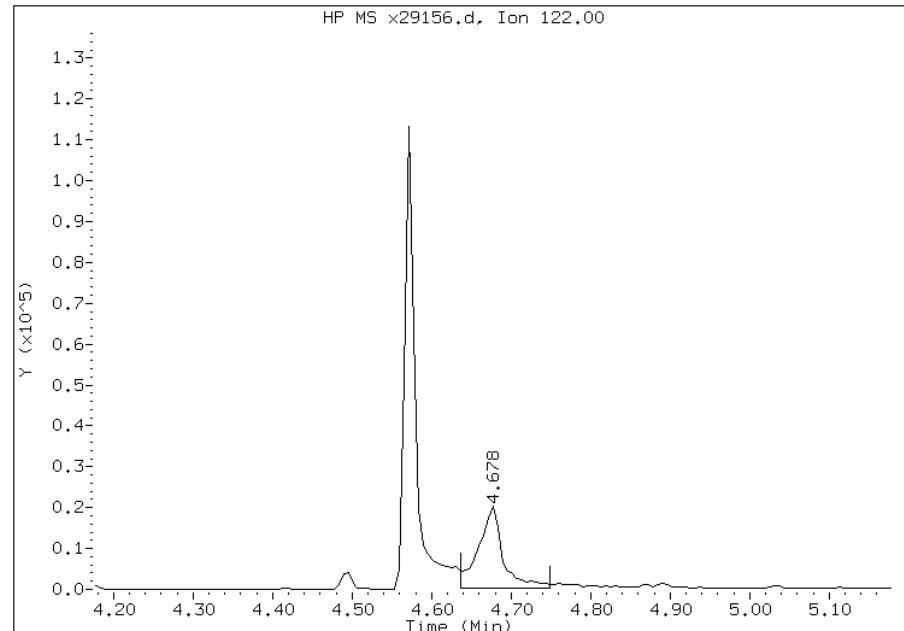
### Processing Integration Results

RT: 4.87  
Response: 1257  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 4.68  
Response: 42975  
Amount: 4  
Conc: 4



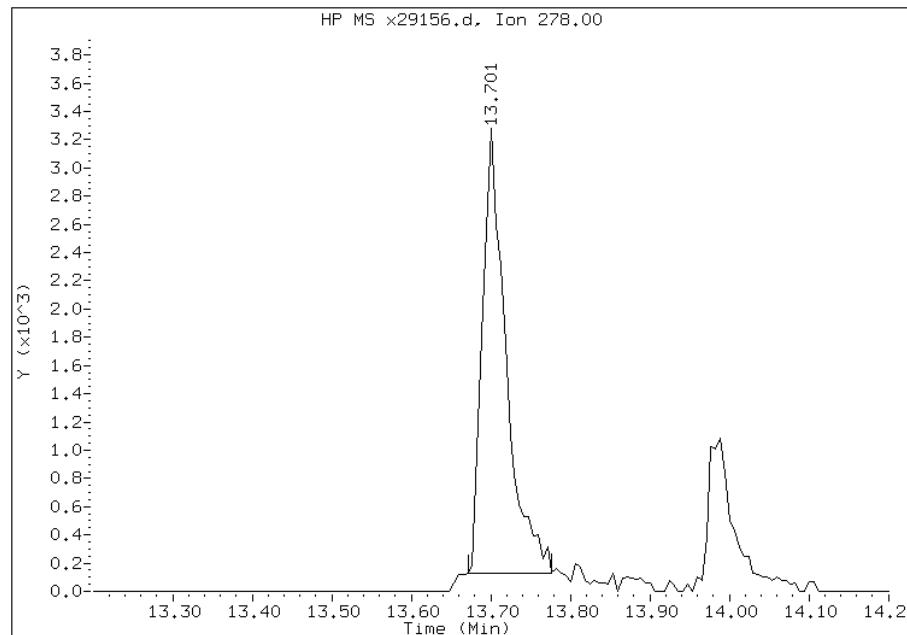
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: x29156.d  
Inj. Date and Time: 11-AUG-2012 14:22  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 69 Dibenz(a,h)anthracene  
CAS #: 53-70-3  
Report Date: 08/13/2012

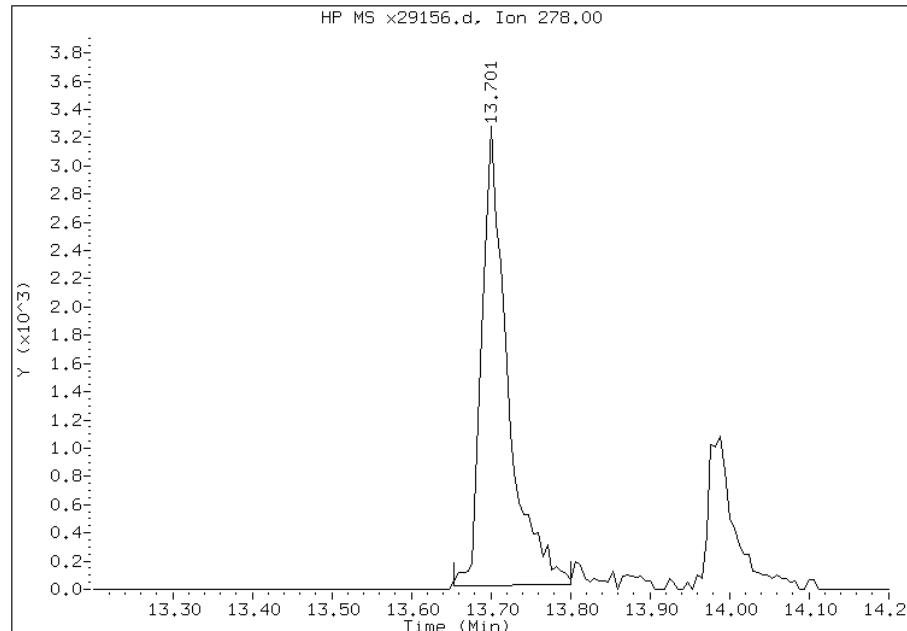
### Processing Integration Results

RT: 13.70  
Response: 6451  
Amount: 0  
Conc: 0



### Manual Integration Results

RT: 13.70  
Response: 7332  
Amount: 0  
Conc: 0



Manually Integrated By: wahied  
Manual Integration Reason:

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124158/2

Calibration Date: 08/15/2012 01:46

Instrument ID: BNAMS11

Calib Start Date: 08/06/2012 12:54

GC Column: Rtx-5MS ID: 0.25 (mm)

Calib End Date: 08/06/2012 15:40

Lab File ID: z11877.d

Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	QuaF	0.2781	0.1019		21600	50000	-56.7*	20.0
N-Nitrosodimethylamine	Ave	0.6458	0.2729		21100	50000	-57.7*	20.0
Pyridine	Ave	1.147	0.5604		24400	50000	-51.1*	20.0
Benzaldehyde	Ave	0.4915	0.4861		49500	50000	-1.1	20.0
Aniline	Ave	1.793	1.763		49200	50000	-1.7	20.0
Phenol	Ave	1.667	1.546		46400	50000	-7.3	20.0
Bis(2-chloroethyl)ether	QuaF	1.503	1.297		50600	50000	1.2	20.0
2-Chlorophenol	Ave	1.506	1.422		47200	50000	-5.6	20.0
Decane	Ave	1.231	1.271		51600	50000	3.3	20.0
1,3-Dichlorobenzene	Ave	1.585	1.577		49700	50000	-0.5	20.0
1,4-Dichlorobenzene	Ave	1.609	1.585		49200	50000	-1.5	20.0
1,2-Dichlorobenzene	Ave	1.526	1.492		48900	50000	-2.2	20.0
Benzyl alcohol	Ave	0.7461	0.5918		39700	50000	-20.7*	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.641	1.497		45600	50000	-8.8	20.0
2-Methylphenol	Ave	1.262	1.096		43400	50000	-13.1	20.0
Acetophenone	Ave	1.739	1.596		45900	50000	-8.2	20.0
Hexachloroethane	Ave	0.6233	0.6383		51200	50000	2.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.8932	0.7794	0.0500	43600	50000	-12.7	20.0
3 & 4 Methylphenol	Ave	1.231	1.152		46800	50000	-6.5	20.0
4-Methylphenol	Ave	1.280	1.204		47000	50000	-5.9	20.0
Nitrobenzene	Ave	0.4563	0.4616		50600	50000	1.2	20.0
n,n'-Dimethylaniline	Ave	2.035	1.935		47500	50000	-4.9	20.0
Isophorone	Ave	0.5542	0.5125		46200	50000	-7.5	20.0
2-Nitrophenol	Ave	0.2063	0.2067		50100	50000	0.2	20.0
2,4-Dimethylphenol	Ave	0.3086	0.3039		49200	50000	-1.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.3695	0.3635		49200	50000	-1.6	20.0
2,4-Dichlorophenol	Ave	0.2775	0.2423		43700	50000	-12.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3198	0.3220		50300	50000	0.7	20.0
Naphthalene	Ave	1.057	1.029		48700	50000	-2.7	20.0
Benzoic acid	Ave	0.2001	0.1291		32300	50000	-35.5*	20.0
4-Chloroaniline	Ave	0.3936	0.3841		48800	50000	-2.4	20.0
Hexachlorobutadiene	Ave	0.1787	0.1789		50100	50000	0.1	20.0
Caprolactam	Ave	0.0798	0.0656		41100	50000	-17.9	20.0
2-Methylnaphthalene	Ave	0.7863	0.8191		52100	50000	4.2	20.0
4-Chloro-3-methylphenol	Ave	0.2500	0.2223		44500	50000	-11.1	20.0
1-Methylnaphthalene	Ave	0.6791	0.6370		46900	50000	-6.2	20.0
Hexachlorocyclopentadiene	QuaF	0.2675	0.3277	0.0500	56300	50000	12.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6216	0.6451		51900	50000	3.8	20.0
2,4,6-Trichlorophenol	Ave	0.3886	0.3655		47000	50000	-6.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4355	0.3806		43700	50000	-12.6	20.0
2,4,5-Trichlorophenol	Ave	0.3854	0.3939		51100	50000	2.2	20.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124158/2

Calibration Date: 08/15/2012 01:46

Instrument ID: BNAMS11

Calib Start Date: 08/06/2012 12:54

GC Column: Rtx-5MS ID: 0.25 (mm)

Calib End Date: 08/06/2012 15:40

Lab File ID: z11877.d

Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.169	1.241		53100	50000	6.1	20.0
Diphenyl	Ave	1.525	1.595		52300	50000	4.6	20.0
Diphenyl ether	Ave	0.8395	0.8682		51700	50000	3.4	20.0
2-Nitroaniline	Ave	0.3078	0.2723		44200	50000	-11.6	20.0
Dimethylnaphthalene, total	Ave	1.037	1.054		50800	50000	1.6	20.0
Coumarin	Ave	0.1874	0.1599		42700	50000	-14.7	20.0
Acenaphthylene	Ave	1.821	1.776		48800	50000	-2.5	20.0
Dimethyl phthalate	Ave	1.161	1.027		44200	50000	-11.5	20.0
2,6-Dinitrotoluene	Ave	0.2711	0.2595		47900	50000	-4.3	20.0
Acenaphthene	Ave	1.081	1.064		49200	50000	-1.6	20.0
3-Nitroaniline	Ave	0.2786	0.2553		45800	50000	-8.4	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9530	0.9270		48600	50000	-2.7	20.0
2,4-Dinitrophenol	Ave	0.1305	0.1281	0.0500	49100	50000	-1.8	20.0
Dibenzofuran	Ave	1.535	1.487		48400	50000	-3.1	20.0
2,4-Dinitrotoluene	Ave	0.3314	0.2961		44700	50000	-10.7	20.0
4-Nitrophenol	Ave	0.1345	0.0773	0.0500	28700	50000	-42.6*	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2592	0.2412		46500	50000	-6.9	20.0
Fluorene	Ave	1.196	1.132		47300	50000	-5.3	20.0
Diethyl phthalate	Ave	1.065	0.9567		44900	50000	-10.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.5891	0.5623		47700	50000	-4.5	20.0
4-Nitroaniline	Ave	0.2289	0.1977		43200	50000	-13.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1368	0.1386		50700	50000	1.3	20.0
N-Nitrosodiphenylamine	Ave	0.6315	0.6255		49500	50000	-1.0	20.0
1,2-Diphenylhydrazine	Ave	1.018	1.081		53100	50000	6.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2485	0.2575		51800	50000	3.6	20.0
Hexachlorobenzene	Ave	0.2711	0.2738		50500	50000	1.0	20.0
Atrazine	Ave	0.2001	0.1858		46400	50000	-7.2	20.0
Pentachloronitrobenzene	Ave	0.0992	0.0900		45300	50000	-9.3	
Pentachlorophenol	Ave	0.1320	0.1245		47200	50000	-5.6	20.0
Phenanthren	Ave	1.105	1.089		49300	50000	-1.5	20.0
Anthracene	Ave	1.105	1.087		49200	50000	-1.6	20.0
n-Octadecane	Ave	0.5046	0.5271		52200	50000	4.5	20.0
Carbazole	Ave	0.8873	0.8482		47800	50000	-4.4	20.0
Di-n-butyl phthalate	Ave	1.131	1.065		47100	50000	-5.8	20.0
Fluoranthene	Ave	0.9072	0.8621		47500	50000	-5.0	20.0
Pyrene	Ave	1.985	1.813		45700	50000	-8.6	20.0
Benzidine	Ave	0.1428	0.0749		26200	50000	-47.6*	20.0
Butyl benzyl phthalate	Ave	0.7427	0.6746		45400	50000	-9.2	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1708	0.1798		526	500	5.2	20.0
Carbamazepine	Ave	0.4263	0.4763		55900	50000	11.7	20.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 460-124158/2 Calibration Date: 08/15/2012 01:46

Instrument ID: BNAMS11 Calib Start Date: 08/06/2012 12:54

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 08/06/2012 15:40

Lab File ID: z11877.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.188	1.148		48300	50000	-3.4	20.0
Chrysene	Ave	1.183	1.179		49900	50000	-0.3	20.0
3,3'-Dichlorobenzidine	QuaF	0.3353	0.3777		62400	50000	24.9*	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9616	0.8786		45700	50000	-8.6	20.0
Di-n-octyl phthalate	Ave	2.020	1.629		40300	50000	-19.3	20.0
Benzo[b]fluoranthene	Ave	1.265	1.149		45400	50000	-9.2	20.0
Benzo[k]fluoranthene	Ave	1.481	1.530		51700	50000	3.3	20.0
Benzo[a]pyrene	Ave	0.999	1.028		51500	50000	3.0	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.7023	0.7835		54500	50000	8.9	20.0
Dibenz(a,h)anthracene	QuaF	0.7870	0.9380		56000	50000	12.0	20.0
Benzo[g,h,i]perylene	Ave	0.8273	0.9271		56000	50000	12.1	20.0
2-Fluorophenol	Ave	1.269	1.233		48600	50000	-2.9	20.0
Phenol-d5	Ave	1.574	1.436		45600	50000	-8.8	20.0
Nitrobenzene-d5	Ave	0.3549	0.3495		49200	50000	-1.5	20.0
2-Fluorobiphenyl	Ave	1.433	1.480		51600	50000	3.3	20.0
2,4,6-Tribromophenol	Ave	0.1728	0.1635		47300	50000	-5.4	20.0
Terphenyl-d14	Ave	1.385	1.277		46100	50000	-7.8	20.0

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11877.d  
Report Date: 15-Aug-2012 02:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11877.d  
Lab Smp Id: CCVIS-1564229  
Inj Date : 15-AUG-2012 01:46  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : CCVIS-1564229  
Misc Info :  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 3 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
106 1,4-Dioxane	88	0.380	0.380 (0.179)		27521	50.0000	22
19 N-Nitrosodimethylamine	74	0.439	0.439 (0.206)		73732	50.0000	21
71 Pyridine	79	0.445	0.445 (0.209)		151392	50.0000	24
\$ 16 2-Fluorophenol (SUR)	112	1.121	1.121 (0.527)		333024	50.0000	48
110 Benzaldehyde	77	1.739	1.739 (0.817)		131327	50.0000	49
\$ 17 Phenol-d5 (SUR)	99	1.927	1.927 (0.906)		387870	50.0000	46
1 Phenol	94	1.933	1.933 (0.909)		417528	50.0000	46
73 Aniline	93	1.851	1.851 (0.870)		476219	50.0000	49
20 bis(2-Chloroethyl)ether	93	1.945	1.945 (0.914)		350484	50.0000	51
2 2-Chlorophenol	128	1.956	1.956 (0.920)		384128	50.0000	47
113 n-decane	43	2.045	2.045 (0.961)		343272	50.0000	52
21 1,3-Dichlorobenzene	146	2.068	2.068 (0.972)		425972	50.0000	50
* 79 1,4-Dichlorobenzene-d4	152	2.127	2.127 (1.000)		216113	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11877.d  
 Report Date: 15-Aug-2012 02:27

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22 1,4-Dichlorobenzene		146	2.145	2.145 (1.008)		428103	50.0000	49
74 Benzyl Alcohol		108	2.333	2.333 (1.097)		159863	50.0000	40
23 1,2-Dichlorobenzene		146	2.274	2.274 (1.069)		403108	50.0000	49
3 2-Methylphenol		108	2.503	2.503 (1.177)		296193	50.0000	43
24 bis (2-chloroisopropyl) ether		45	2.456	2.456 (1.155)		404307	50.0000	46
4 4-Methylphenol		108	2.674	2.674 (1.257)		325287	50.0000	47
123 3 & 4 Methylphenol		108	2.674	2.674 (1.257)		311138	50.0000	47
104 Acetophenone		105	2.574	2.574 (1.210)		431164	50.0000	46
25 N-Nitroso-di-n-propylamine		70	2.615	2.615 (1.230)		210546	50.0000	44
26 Hexachloroethane		117	2.598	2.598 (1.221)		172435	50.0000	51
\$ 76 Nitrobenzene-d5 (SUR)		82	2.703	2.703 (0.785)		346503	50.0000	49
27 Nitrobenzene		77	2.733	2.733 (0.793)		457687	50.0000	50
107 N,N-Dimethylaniline		120	2.739	2.739 (1.288)		522597	50.0000	48
28 Isophorone		82	3.003	3.003 (0.872)		508136	50.0000	46
5 2-Nitrophenol		139	3.062	3.062 (0.889)		204932	50.0000	50
6 2,4-Dimethylphenol		122	3.227	3.227 (0.937)		301333	50.0000	49
29 bis(2-Chloroethoxy)methane		93	3.303	3.303 (0.959)		360419	50.0000	49
15 Benzoic Acid		122	3.556	3.556 (1.032)		127995	50.0000	32(M)
7 2,4-Dichlorophenol		162	3.368	3.368 (0.978)		240229	50.0000	44
30 1,2,4-Trichlorobenzene		180	3.409	3.409 (0.990)		319255	50.0000	50
* 80 Naphthalene-d8		136	3.445	3.445 (1.000)		793182	40.0000	
31 Naphthalene		128	3.468	3.468 (1.007)		1019919	50.0000	49
32 4-Chloroaniline		127	3.598	3.598 (1.044)		380790	50.0000	49
33 Hexachlorobutadiene		225	3.645	3.645 (1.058)		177400	50.0000	50
111 Caprolactam		113	4.068	4.068 (1.181)		65024	50.0000	41
8 4-Chloro-3-methylphenol		107	4.215	4.215 (1.224)		220446	50.0000	44
34 2-Methylnaphthalene		142	4.203	4.203 (1.220)		812116	50.0000	52
120 1-Methylnaphthalene		142	4.297	4.297 (1.248)		631531	50.0000	47
35 Hexachlorocyclopentadiene		237	4.380	4.380 (0.839)		137348	50.0000	56
129 1,2,4,5-Tetrachlorobenzene		216	4.392	4.392 (0.841)		270376	50.0000	52
121 2-tert-Butyl-4-methylphenol		149	4.550	4.550 (1.321)		377374	50.0000	44
9 2,4,6-Trichlorophenol		196	4.550	4.550 (0.872)		153158	50.0000	47
10 2,4,5-Trichlorophenol		196	4.597	4.597 (0.881)		165070	50.0000	51
\$ 77 2-Fluorobiphenyl (SUR)		172	4.615	4.615 (0.884)		620318	50.0000	52
102 Diphenyl		154	4.697	4.697 (0.900)		668529	50.0000	52
36 2-Chloronaphthalene		162	4.686	4.686 (0.897)		520039	50.0000	53
103 Diphenyl Ether		170	4.815	4.815 (0.922)		363878	50.0000	52
37 2-Nitroaniline		65	4.850	4.850 (0.929)		114101	50.0000	44
125 1,3-Dimethylnaphthalene		156	4.921	4.921 (0.943)		441809	50.0000	51
38 Dimethylphthalate		163	5.074	5.074 (0.972)		430302	50.0000	44
114 Coumarin		146	5.027	5.027 (1.459)		158500	50.0000	43
40 2,6-Dinitrotoluene		165	5.115	5.115 (0.980)		108749	50.0000	48
39 Acenaphthylene		152	5.074	5.074 (0.972)		744379	50.0000	49
41 3-Nitroaniline		138	5.262	5.262 (1.008)		106982	50.0000	46
* 82 Acenaphthene-d10		164	5.221	5.221 (1.000)		335279	40.0000	
122 2,6-Di-tert-butyl-p-cresol		205	5.344	5.344 (1.024)		388500	50.0000	49
42 Acenaphthene		154	5.250	5.250 (1.006)		445838	50.0000	49

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11877.d  
 Report Date: 15-Aug-2012 02:27

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
11 2,4-Dinitrophenol	184	5.386	5.386 (1.032)		53685	50.0000	49
12 4-Nitrophenol	65	5.550	5.550 (1.063)		32384	50.0000	29
44 2,4-Dinitrotoluene	165	5.503	5.503 (1.054)		124093	50.0000	45
43 Dibenzofuran	168	5.427	5.427 (1.039)		623279	50.0000	48
130 2,3,4,6-Tetrachlorophenol	232	5.592	5.592 (1.071)		101070	50.0000	46
45 Diethylphthalate	149	5.762	5.762 (1.104)		400962	50.0000	45
46 4-Chlorophenyl-phenylether	204	5.797	5.797 (1.110)		235674	50.0000	48
47 Fluorene	166	5.750	5.750 (1.101)		474602	50.0000	47
48 4-Nitroaniline	138	5.850	5.850 (1.121)		82836	50.0000	43
13 4,6-Dinitro-2-methylphenol	198	5.897	5.897 (0.891)		66770	50.0000	51
49 N-Nitrosodiphenylamine	169	5.927	5.927 (0.895)		301321	50.0000	50
75 1,2-Diphenylhydrazine	77	5.944	5.944 (0.898)		520976	50.0000	53
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.992	5.992 (1.148)		68519	50.0000	47
50 4-Bromophenyl-phenylether	248	6.250	6.250 (0.944)		124038	50.0000	52
51 Hexachlorobenzene	284	6.274	6.274 (0.948)		131901	50.0000	50
112 Atrazine	200	6.497	6.497 (0.981)		89500	50.0000	46
14 Pentachlorophenol	266	6.503	6.503 (0.982)		59987	50.0000	47
132 Pentachloronitrobenzene	237	6.497	6.497 (0.981)		43333	50.0000	45
115 n-Octadecane	57	6.703	6.703 (1.012)		253941	50.0000	52
* 83 Phenanthrene-d10	188	6.621	6.621 (1.000)		385406	40.0000	
52 Phenanthrene	178	6.644	6.644 (1.004)		524489	50.0000	49
53 Anthracene	178	6.691	6.691 (1.011)		523561	50.0000	49
54 Carbazole	167	6.891	6.891 (1.041)		408635	50.0000	48
55 Di-n-butylphthalate	149	7.315	7.315 (1.105)		513289	50.0000	47
56 Fluoranthene	202	7.756	7.756 (1.171)		415327	50.0000	48
58 Benzidine	184	7.968	7.968 (1.203)		36062	50.0000	26
57 Pyrene	202	7.956	7.956 (0.873)		398279	50.0000	46
\$ 78 Terphenyl-d14	244	8.185	8.185 (0.898)		280423	50.0000	46
59 Butylbenzylphthalate	149	8.709	8.709 (0.955)		148196	50.0000	45
109 2,3,7,8-TCDD (Screen)	320	8.727	8.727 (0.957)		395	0.50000	0.53
124 Carbamazepine	193	8.744	8.744 (0.959)		104632	50.0000	56
60 3,3'-Dichlorobenzidine	252	9.144	9.144 (1.003)		82971	50.0000	62
61 Benzo(a)anthracene	228	9.109	9.109 (0.999)		252094	50.0000	48
* 81 Chrysene-d12	240	9.115	9.115 (1.000)		175735	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.303	9.303 (1.021)		193003	50.0000	46
62 Chrysene	228	9.138	9.138 (1.003)		259013	50.0000	50
64 Di-n-octylphthalate	149	9.891	9.891 (0.954)		273076	50.0000	40
65 Benzo(b)fluoranthene	252	10.062	10.062 (0.970)		192603	50.0000	45
66 Benzo(k)fluoranthene	252	10.079	10.079 (0.972)		256392	50.0000	52
67 Benzo(a)pyrene	252	10.327	10.327 (0.995)		172397	50.0000	51
* 84 Perylene-d12	264	10.374	10.374 (1.000)		134097	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.368	11.368 (1.096)		131332	50.0000	54(M)
69 Dibenz(a,h)anthracene	278	11.397	11.397 (1.099)		157236	50.0000	56
70 Benzo(g,h,i)perylene	276	11.615	11.615 (1.120)		155402	50.0000	56

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11877.d  
Report Date: 15-Aug-2012 02:27

QC Flag Legend

M - Compound response manually integrated.

Data File: z11877.d

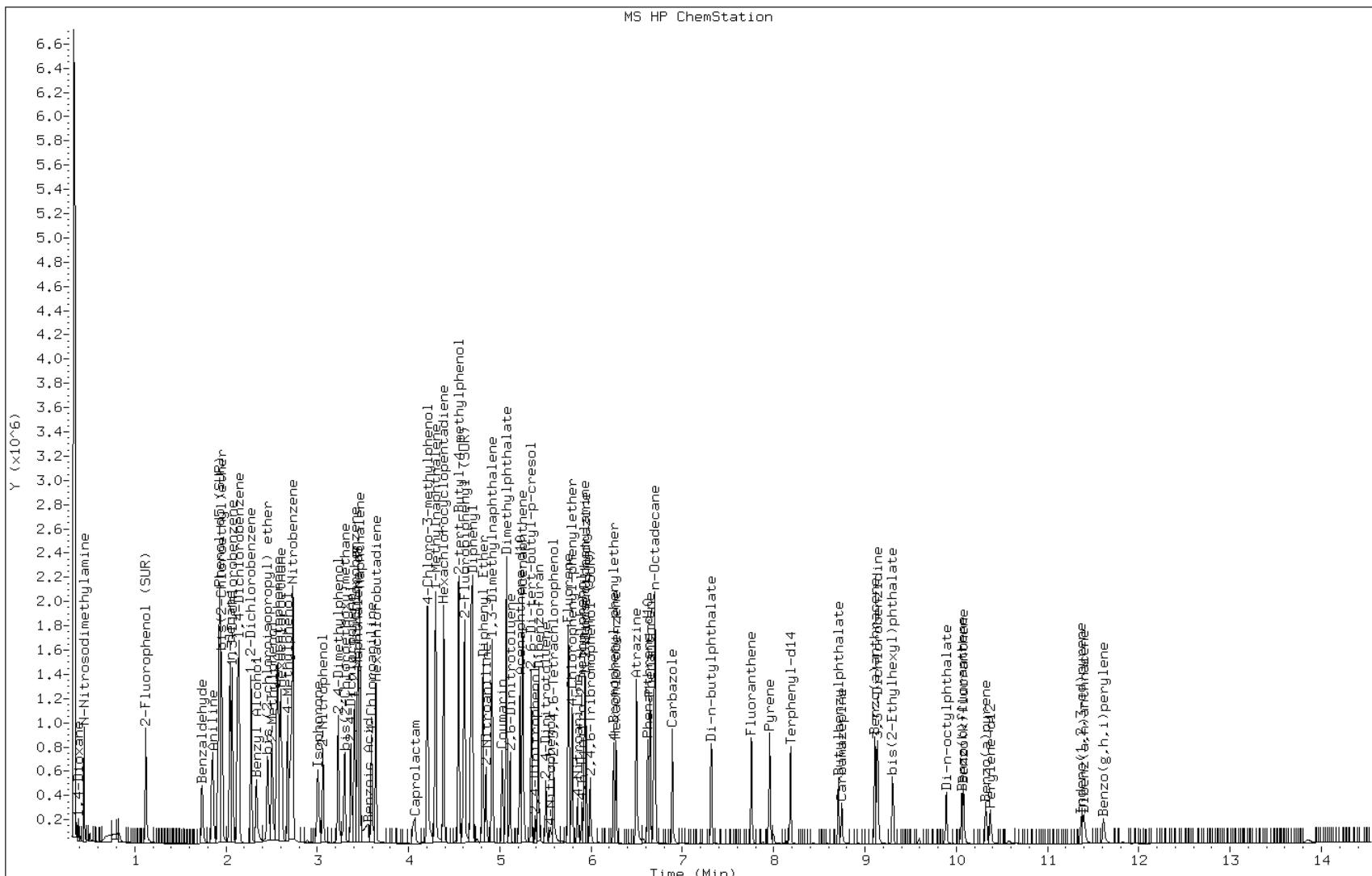
Date: 15-AUG-2012 01:46

Client ID:

Instrument: BNAMS11.i

Sample Info: CCVIS-1564229

Operator: BNAMS 4

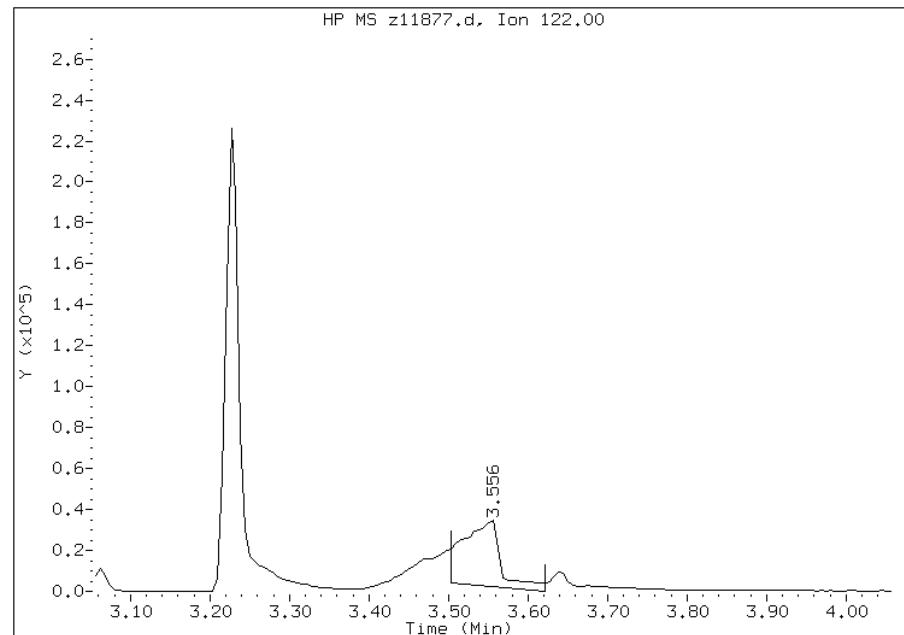


## Manual Integration Report

Data File: z11877.d  
Inj. Date and Time: 15-AUG-2012 01:46  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/15/2012

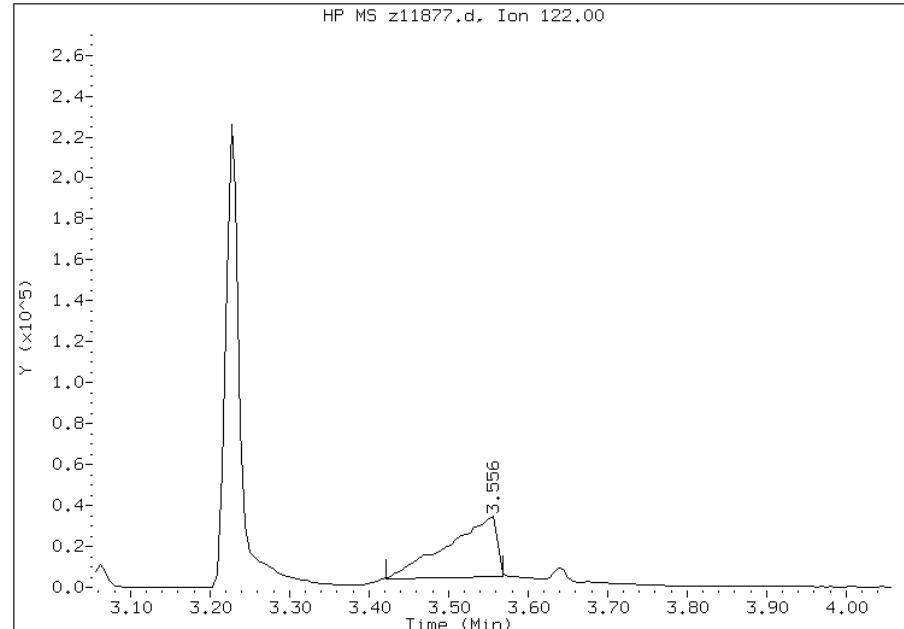
### Processing Integration Results

RT: 3.56  
Response: 107434  
Amount: 27  
Conc: 27



### Manual Integration Results

RT: 3.56  
Response: 127995  
Amount: 32  
Conc: 32



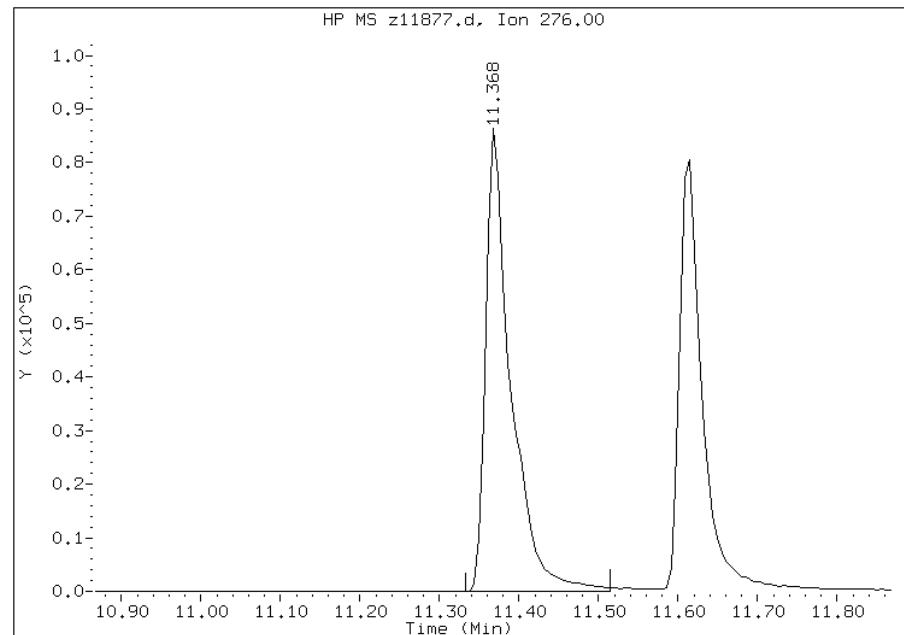
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11877.d  
Inj. Date and Time: 15-AUG-2012 01:46  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/15/2012

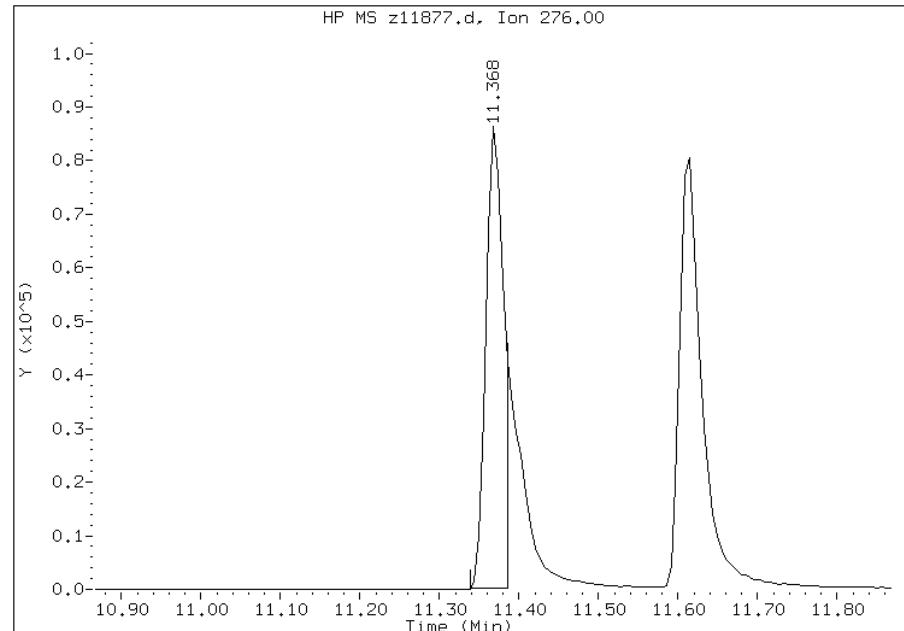
### Processing Integration Results

RT: 11.37  
Response: 188330  
Amount: 74  
Conc: 74



### Manual Integration Results

RT: 11.37  
Response: 131332  
Amount: 54  
Conc: 54



Manually Integrated By: wahied  
Manual Integration Reason:

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124326/2

Calibration Date: 08/15/2012 14:07

Instrument ID: BNAMS11

Calib Start Date: 08/06/2012 12:54

GC Column: Rtx-5MS ID: 0.25 (mm)

Calib End Date: 08/06/2012 15:40

Lab File ID: z11907.d

Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	QuaF	0.2781	0.1762		36100	50000	-27.8*	20.0
N-Nitrosodimethylamine	Ave	0.6458	0.2737		21200	50000	-57.6*	20.0
Pyridine	Ave	1.147	0.5247		22900	50000	-54.3*	20.0
Benzaldehyde	Ave	0.4915	0.3191		32500	50000	-35.1*	20.0
Aniline	Ave	1.793	1.837		51200	50000	2.5	20.0
Phenol	Ave	1.667	1.634		49000	50000	-2.0	20.0
Bis(2-chloroethyl)ether	QuaF	1.503	1.328		51700	50000	3.4	20.0
2-Chlorophenol	Ave	1.506	1.477		49100	50000	-1.9	20.0
Decane	Ave	1.231	1.232		50100	50000	0.1	20.0
1,3-Dichlorobenzene	Ave	1.585	1.575		49700	50000	-0.7	20.0
1,4-Dichlorobenzene	Ave	1.609	1.579		49000	50000	-1.9	20.0
1,2-Dichlorobenzene	Ave	1.526	1.514		49600	50000	-0.8	20.0
Benzyl alcohol	Ave	0.7461	0.7435		49800	50000	-0.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.641	1.564		47700	50000	-4.7	20.0
2-Methylphenol	Ave	1.262	1.214		48100	50000	-3.8	20.0
Acetophenone	Ave	1.739	1.670		48000	50000	-4.0	20.0
Hexachloroethane	Ave	0.6233	0.6295		50500	50000	1.0	20.0
N-Nitrosodi-n-propylamine	Ave	0.8932	0.8278	0.0500	46300	50000	-7.3	20.0
3 & 4 Methylphenol	Ave	1.231	1.280		52000	50000	4.0	20.0
4-Methylphenol	Ave	1.280	1.297		50600	50000	1.3	20.0
Nitrobenzene	Ave	0.4563	0.4316		47300	50000	-5.4	20.0
n,n'-Dimethylaniline	Ave	2.035	2.015		49500	50000	-1.0	20.0
Isophorone	Ave	0.5542	0.5206		47000	50000	-6.1	20.0
2-Nitrophenol	Ave	0.2063	0.2077		50400	50000	0.7	20.0
2,4-Dimethylphenol	Ave	0.3086	0.3144		51000	50000	1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3695	0.3641		49300	50000	-1.5	20.0
2,4-Dichlorophenol	Ave	0.2775	0.2746		49500	50000	-1.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3198	0.3120		48800	50000	-2.4	20.0
Naphthalene	Ave	1.057	1.018		48100	50000	-3.7	20.0
Benzoic acid	Ave	0.2001	0.1724		43100	50000	-13.9	20.0
4-Chloroaniline	Ave	0.3936	0.3751		47600	50000	-4.7	20.0
Hexachlorobutadiene	Ave	0.1787	0.1715		48000	50000	-4.1	20.0
Caprolactam	Ave	0.0798	0.0631		39500	50000	-20.9*	20.0
2-Methylnaphthalene	Ave	0.7863	0.8287		52700	50000	5.4	20.0
4-Chloro-3-methylphenol	Ave	0.2500	0.2377		47500	50000	-4.9	20.0
1-Methylnaphthalene	Ave	0.6791	0.6546		48200	50000	-3.6	20.0
Hexachlorocyclopentadiene	QuaF	0.2675	0.3126	0.0500	54000	50000	7.9	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6216	0.6271		50400	50000	0.9	20.0
2,4,6-Trichlorophenol	Ave	0.3886	0.3798		48900	50000	-2.3	20.0
2-tertbutyl-4-methylphenol	Ave	0.4355	0.3894		44700	50000	-10.6	20.0
2,4,5-Trichlorophenol	Ave	0.3854	0.4050		52500	50000	5.1	20.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124326/2

Calibration Date: 08/15/2012 14:07

Instrument ID: BNAMS11

Calib Start Date: 08/06/2012 12:54

GC Column: Rtx-5MS ID: 0.25 (mm)

Calib End Date: 08/06/2012 15:40

Lab File ID: z11907.d

Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.169	1.200		51300	50000	2.7	20.0
Diphenyl	Ave	1.525	1.566		51300	50000	2.7	20.0
Diphenyl ether	Ave	0.8395	0.8522		50800	50000	1.5	20.0
2-Nitroaniline	Ave	0.3078	0.2837		46100	50000	-7.8	20.0
Dimethylnaphthalene, total	Ave	1.037	1.062		51200	50000	2.3	20.0
Coumarin	Ave	0.1874	0.1745		46500	50000	-6.9	20.0
Acenaphthylene	Ave	1.821	1.735		47600	50000	-4.7	20.0
Dimethyl phthalate	Ave	1.161	1.056		45500	50000	-9.0	20.0
2,6-Dinitrotoluene	Ave	0.2711	0.2641		48700	50000	-2.6	20.0
Acenaphthene	Ave	1.081	1.087		50300	50000	0.6	20.0
3-Nitroaniline	Ave	0.2786	0.2729		49000	50000	-2.1	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.9530	0.9255		48600	50000	-2.9	20.0
2,4-Dinitrophenol	Ave	0.1305	0.1272	0.0500	48800	50000	-2.5	20.0
Dibenzofuran	Ave	1.535	1.498		48800	50000	-2.4	20.0
2,4-Dinitrotoluene	Ave	0.3314	0.3121		47100	50000	-5.8	20.0
4-Nitrophenol	Ave	0.1345	0.1077	0.0500	40000	50000	-20.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2592	0.2528		48800	50000	-2.4	20.0
Fluorene	Ave	1.196	1.162		48600	50000	-2.8	20.0
Diethyl phthalate	Ave	1.065	0.9926		46600	50000	-6.8	20.0
4-Chlorophenyl phenyl ether	Ave	0.5891	0.5771		49000	50000	-2.0	20.0
4-Nitroaniline	Ave	0.2289	0.2132		46600	50000	-6.9	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1368	0.1388		50800	50000	1.5	20.0
N-Nitrosodiphenylamine	Ave	0.6315	0.6386		50600	50000	1.1	20.0
1,2-Diphenylhydrazine	Ave	1.018	1.062		52200	50000	4.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2485	0.2546		51200	50000	2.5	20.0
Hexachlorobenzene	Ave	0.2711	0.2795		51600	50000	3.1	20.0
Pentachloronitrobenzene	Ave	0.0992	0.0883		44500	50000	-11.0	
Atrazine	Ave	0.2001	0.1943		48500	50000	-2.9	20.0
Pentachlorophenol	Ave	0.1320	0.1312		49700	50000	-0.6	20.0
Phenanthrene	Ave	1.105	1.090		49300	50000	-1.4	20.0
Anthracene	Ave	1.105	1.096		49600	50000	-0.8	20.0
n-Octadecane	Ave	0.5046	0.5185		51400	50000	2.7	20.0
Carbazole	Ave	0.8873	0.8550		48200	50000	-3.6	20.0
Di-n-butyl phthalate	Ave	1.131	1.063		47000	50000	-6.0	20.0
Fluoranthene	Ave	0.9072	0.8595		47400	50000	-5.3	20.0
Pyrene	Ave	1.985	1.882		47400	50000	-5.2	20.0
Benzidine	Ave	0.1428	0.0370		12900	50000	-74.1*	20.0
Butyl benzyl phthalate	Ave	0.7427	0.6841		46100	50000	-7.9	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1708	0.1752		513	500	2.5	20.0
Carbamazepine	Ave	0.4263	0.4221		49500	50000	-1.0	20.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 460-124326/2 Calibration Date: 08/15/2012 14:07

Instrument ID: BNAMS11 Calib Start Date: 08/06/2012 12:54

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 08/06/2012 15:40

Lab File ID: z11907.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[a]anthracene	Ave	1.188	1.162		48900	50000	-2.1	20.0
3,3'-Dichlorobenzidine	QuaF	0.3353	0.3419		54800	50000	9.6	20.0
Chrysene	Ave	1.183	1.170		49400	50000	-1.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9616	0.8814		45800	50000	-8.3	20.0
Di-n-octyl phthalate	Ave	2.020	1.765		43700	50000	-12.6	20.0
Benzo[b]fluoranthene	Ave	1.265	1.215		48000	50000	-4.0	20.0
Benzo[k]fluoranthene	Ave	1.481	1.491		50300	50000	0.7	20.0
Benzo[a]pyrene	Ave	0.999	1.020		51100	50000	2.1	20.0
Indeno[1,2,3-cd]pyrene	QuaF	0.7023	0.7886		54800	50000	9.5	20.0
Dibenz(a,h)anthracene	QuaF	0.7870	0.8947		53700	50000	7.4	20.0
Benzo[g,h,i]perylene	Ave	0.8273	0.8859		53500	50000	7.1	20.0
2-Fluorophenol	Ave	1.269	1.262		49700	50000	-0.6	20.0
Phenol-d5	Ave	1.574	1.555		49400	50000	-1.2	20.0
Nitrobenzene-d5	Ave	0.3549	0.3376		47600	50000	-4.9	20.0
2-Fluorobiphenyl	Ave	1.433	1.433		50000	50000	-0.0	20.0
2,4,6-Tribromophenol	Ave	0.1728	0.1766		51100	50000	2.2	20.0
Terphenyl-d14	Ave	1.385	1.344		48500	50000	-3.0	20.0

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11907.d  
Report Date: 15-Aug-2012 14:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11907.d  
Lab Smp Id: CCVIS-1564229  
Inj Date : 15-AUG-2012 14:07  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : CCVIS-1564229  
Misc Info : 50 ppm bna 4674  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/8270C\_11.m  
Meth Date : 15-Aug-2012 14:36 czhao Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 2 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
106 1,4-Dioxane	88	0.374	0.374 (0.178)		49667	50.0000	36
19 N-Nitrosodimethylamine	74	0.427	0.427 (0.204)		77154	50.0000	21
71 Pyridine	79	0.433	0.433 (0.206)		147881	50.0000	23
\$ 16 2-Fluorophenol (SUR)	112	1.098	1.098 (0.523)		355739	50.0000	50
110 Benzaldehyde	77	1.715	1.715 (0.818)		89929	50.0000	32
\$ 17 Phenol-d5 (SUR)	99	1.898	1.898 (0.905)		438419	50.0000	49
1 Phenol	94	1.909	1.909 (0.910)		460693	50.0000	49
73 Aniline	93	1.827	1.827 (0.871)		517813	50.0000	51
20 bis(2-Chloroethyl)ether	93	1.921	1.921 (0.916)		374275	50.0000	52
2 2-Chlorophenol	128	1.933	1.933 (0.921)		416388	50.0000	49
113 n-decane	43	2.021	2.021 (0.964)		347326	50.0000	50
21 1,3-Dichlorobenzene	146	2.045	2.045 (0.975)		443880	50.0000	50
* 79 1,4-Dichlorobenzene-d4	152	2.098	2.098 (1.000)		225487	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11907.d  
 Report Date: 15-Aug-2012 14:36

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
22 1,4-Dichlorobenzene		146	2.115	2.115 (1.008)		444917	50.0000	49
74 Benzyl Alcohol		108	2.309	2.309 (1.101)		209550	50.0000	50
23 1,2-Dichlorobenzene		146	2.250	2.250 (1.073)		426772	50.0000	50
3 2-Methylphenol		108	2.480	2.480 (1.182)		342095	50.0000	48
24 bis (2-chloroisopropyl) ether		45	2.433	2.433 (1.160)		440925	50.0000	48
4 4-Methylphenol		108	2.650	2.650 (1.264)		365443	50.0000	51
123 3 & 4 Methylphenol		108	2.650	2.650 (1.264)		360827	50.0000	52
104 Acetophenone		105	2.545	2.545 (1.213)		470592	50.0000	48
25 N-Nitroso-di-n-propylamine		70	2.592	2.592 (1.236)		233309	50.0000	46
26 Hexachloroethane		117	2.568	2.568 (1.224)		177432	50.0000	50
\$ 76 Nitrobenzene-d5 (SUR)		82	2.680	2.680 (0.785)		374250	50.0000	48
27 Nitrobenzene		77	2.703	2.703 (0.792)		478524	50.0000	47
107 N,N-Dimethylaniline		120	2.709	2.709 (1.292)		567973	50.0000	50
28 Isophorone		82	2.980	2.980 (0.873)		577187	50.0000	47
5 2-Nitrophenol		139	3.033	3.033 (0.888)		230272	50.0000	50
6 2,4-Dimethylphenol		122	3.203	3.203 (0.938)		348604	50.0000	51
29 bis(2-Chloroethoxy)methane		93	3.274	3.274 (0.959)		403625	50.0000	49
15 Benzoic Acid		122	3.533	3.533 (1.034)		191114	50.0000	43(M)
7 2,4-Dichlorophenol		162	3.339	3.339 (0.978)		304399	50.0000	49
30 1,2,4-Trichlorobenzene		180	3.380	3.380 (0.990)		345949	50.0000	49
* 80 Naphthalene-d8		136	3.415	3.415 (1.000)		886949	40.0000	
31 Naphthalene		128	3.439	3.439 (1.007)		1128136	50.0000	48
32 4-Chloroaniline		127	3.568	3.568 (1.045)		415846	50.0000	48
33 Hexachlorobutadiene		225	3.615	3.615 (1.059)		190123	50.0000	48
111 Caprolactam		113	4.050	4.050 (1.186)		70001	50.0000	40
8 4-Chloro-3-methylphenol		107	4.191	4.191 (1.227)		263498	50.0000	48
34 2-Methylnaphthalene		142	4.180	4.180 (1.224)		918729	50.0000	53
120 1-Methylnaphthalene		142	4.268	4.268 (1.250)		725754	50.0000	48
35 Hexachlorocyclopentadiene		237	4.356	4.356 (0.839)		150957	50.0000	54
129 1,2,4,5-Tetrachlorobenzene		216	4.362	4.362 (0.840)		302855	50.0000	50
121 2-tert-Butyl-4-methylphenol		149	4.527	4.527 (1.326)		431689	50.0000	45
9 2,4,6-Trichlorophenol		196	4.521	4.521 (0.871)		183416	50.0000	49
10 2,4,5-Trichlorophenol		196	4.574	4.574 (0.881)		195570	50.0000	52
\$ 77 2-Fluorobiphenyl (SUR)		172	4.591	4.591 (0.884)		691941	50.0000	50
102 Diphenyl		154	4.674	4.674 (0.900)		756076	50.0000	51
36 2-Chloronaphthalene		162	4.656	4.656 (0.897)		579659	50.0000	51
103 Diphenyl Ether		170	4.786	4.786 (0.922)		411570	50.0000	51
37 2-Nitroaniline		65	4.827	4.827 (0.930)		136988	50.0000	46
125 1,3-Dimethylnaphthalene		156	4.891	4.891 (0.942)		512709	50.0000	51
38 Dimethylphthalate		163	5.050	5.050 (0.973)		510008	50.0000	45
114 Coumarin		146	5.003	5.003 (1.465)		193419	50.0000	46
40 2,6-Dinitrotoluene		165	5.091	5.091 (0.981)		127539	50.0000	49
39 Acenaphthylene		152	5.050	5.050 (0.973)		838047	50.0000	48
41 3-Nitroaniline		138	5.239	5.239 (1.009)		131767	50.0000	49
* 82 Acenaphthene-d10		164	5.191	5.191 (1.000)		386349	40.0000	
122 2,6-Di-tert-butyl-p-cresol		205	5.321	5.321 (1.025)		446954	50.0000	48
42 Acenaphthene		154	5.227	5.227 (1.007)		525170	50.0000	50

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11907.d  
 Report Date: 15-Aug-2012 14:36

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	5.362	5.362	(1.033)		61440	50.0000	49
12 4-Nitrophenol	65	5.521	5.521	(1.063)		51992	50.0000	40
44 2,4-Dinitrotoluene	165	5.480	5.480	(1.056)		150745	50.0000	47
43 Dibenzofuran	168	5.397	5.397	(1.040)		723601	50.0000	49
130 2,3,4,6-Tetrachlorophenol	232	5.562	5.562	(1.071)		122098	50.0000	49
45 Diethylphthalate	149	5.738	5.738	(1.105)		479365	50.0000	47
46 4-Chlorophenyl-phenylether	204	5.768	5.768	(1.111)		278717	50.0000	49
47 Fluorene	166	5.727	5.727	(1.103)		561157	50.0000	48
48 4-Nitroaniline	138	5.827	5.827	(1.122)		102954	50.0000	46
13 4,6-Dinitro-2-methylphenol	198	5.874	5.874	(0.890)		80254	50.0000	51
49 N-Nitrosodiphenylamine	169	5.903	5.903	(0.895)		369124	50.0000	50
75 1,2-Diphenylhydrazine	77	5.921	5.921	(0.897)		614041	50.0000	52
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.968	5.968	(1.150)		85296	50.0000	51
50 4-Bromophenyl-phenylether	248	6.221	6.221	(0.943)		147170	50.0000	51
51 Hexachlorobenzene	284	6.250	6.250	(0.947)		161554	50.0000	52
112 Atrazine	200	6.474	6.474	(0.981)		112286	50.0000	48
14 Pentachlorophenol	266	6.474	6.474	(0.981)		75848	50.0000	50
132 Pentachloronitrobenzene	237	6.468	6.468	(0.980)		51035	50.0000	44
115 n-Octadecane	57	6.680	6.680	(1.012)		299691	50.0000	51
* 83 Phenanthrene-d10	188	6.597	6.597	(1.000)		462430	40.0000	
52 Phenanthrene	178	6.621	6.621	(1.004)		629928	50.0000	49
53 Anthracene	178	6.668	6.668	(1.011)		633479	50.0000	50
54 Carbazole	167	6.862	6.862	(1.040)		494221	50.0000	48
55 Di-n-butylphthalate	149	7.291	7.291	(1.105)		614347	50.0000	47
56 Fluoranthene	202	7.732	7.732	(1.172)		496807	50.0000	47
58 Benzidine	184	7.938	7.938	(1.203)		21359	50.0000	13
57 Pyrene	202	7.927	7.927	(0.872)		473697	50.0000	47
\$ 78 Terphenyl-d14	244	8.156	8.156	(0.898)		338296	50.0000	48
59 Butylbenzylphthalate	149	8.679	8.679	(0.955)		172216	50.0000	46
109 2,3,7,8-TCDD (Screen)	320	8.703	8.703	(0.958)		441	0.50000	0.51
124 Carbamazepine	193	8.715	8.715	(0.959)		106253	50.0000	50
60 3,3'-Dichlorobenzidine	252	9.109	9.109	(1.003)		86064	50.0000	55
61 Benzo(a)anthracene	228	9.074	9.074	(0.999)		292632	50.0000	49
* 81 Chrysene-d12	240	9.085	9.085	(1.000)		201384	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.279	9.279	(1.021)		221871	50.0000	46
62 Chrysene	228	9.109	9.109	(1.003)		294402	50.0000	49
64 Di-n-octylphthalate	149	9.862	9.862	(0.954)		303370	50.0000	44
65 Benzo(b)fluoranthene	252	10.026	10.026	(0.970)		208836	50.0000	48
66 Benzo(k)fluoranthene	252	10.050	10.050	(0.972)		256245	50.0000	50
67 Benzo(a)pyrene	252	10.291	10.291	(0.995)		175272	50.0000	51
* 84 Perylene-d12	264	10.338	10.338	(1.000)		137495	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.326	11.326	(1.096)		135531	50.0000	55(M)
69 Dibenz(a,h)anthracene	278	11.356	11.356	(1.098)		153772	50.0000	54
70 Benzo(g,h,i)perylene	276	11.568	11.568	(1.119)		152250	50.0000	54

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11907.d  
Report Date: 15-Aug-2012 14:36

QC Flag Legend

M - Compound response manually integrated.

Data File: z11907.d

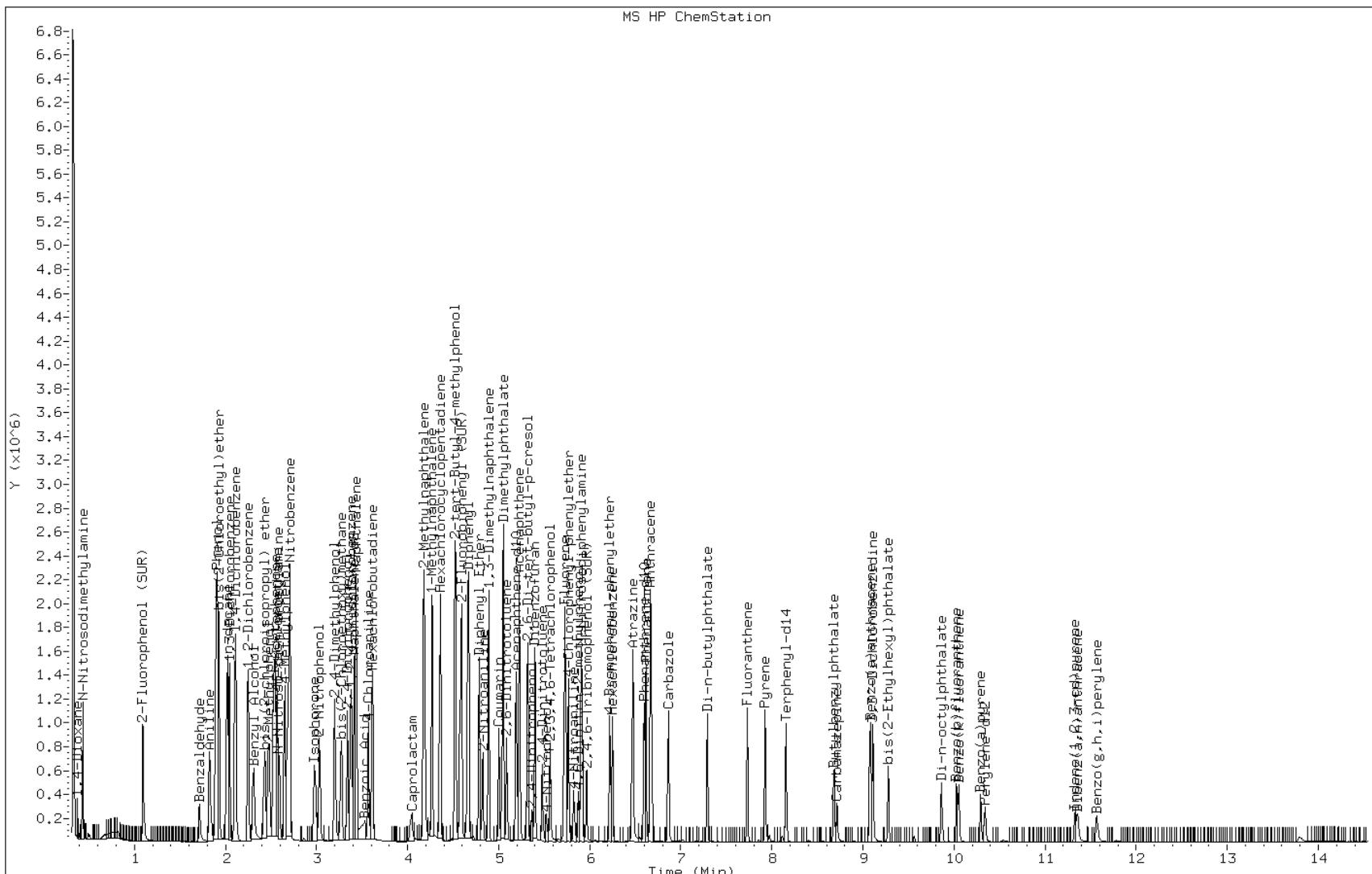
Date: 15-AUG-2012 14:07

Client ID:

Instrument: BNAMS11.i

Sample Info: CCVIS-1564229

Operator: BNAMS 4

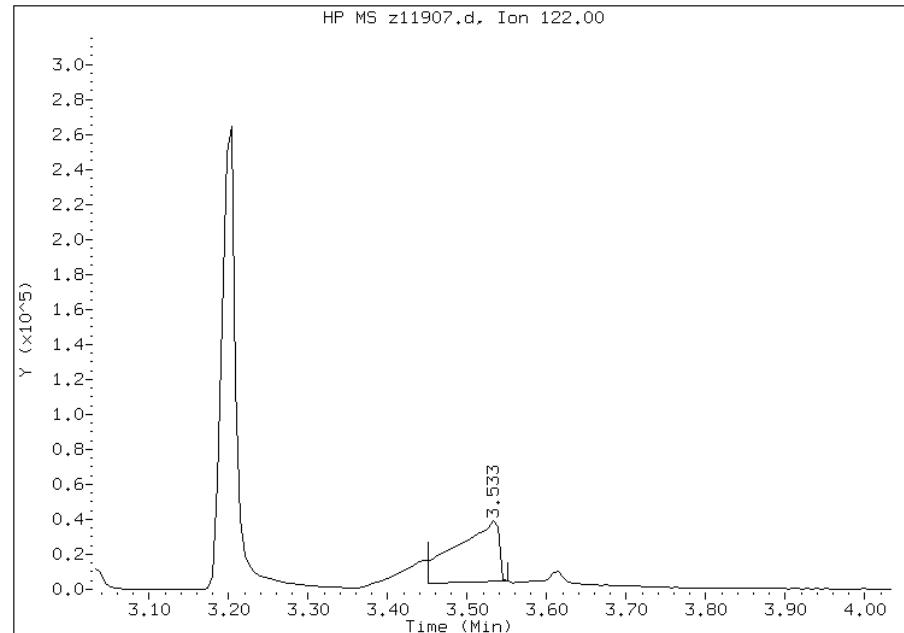


## Manual Integration Report

Data File: z11907.d  
Inj. Date and Time: 15-AUG-2012 14:07  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 15 Benzoic Acid  
CAS #: 65-85-0  
Report Date: 08/16/2012

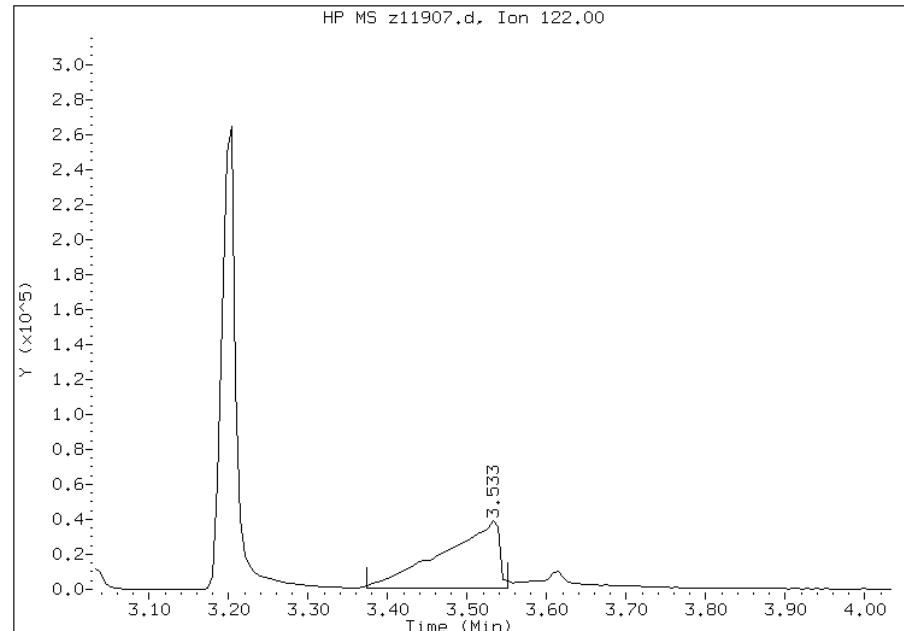
### Processing Integration Results

RT: 3.53  
Response: 129606  
Amount: 29  
Conc: 29



### Manual Integration Results

RT: 3.53  
Response: 191114  
Amount: 43  
Conc: 43



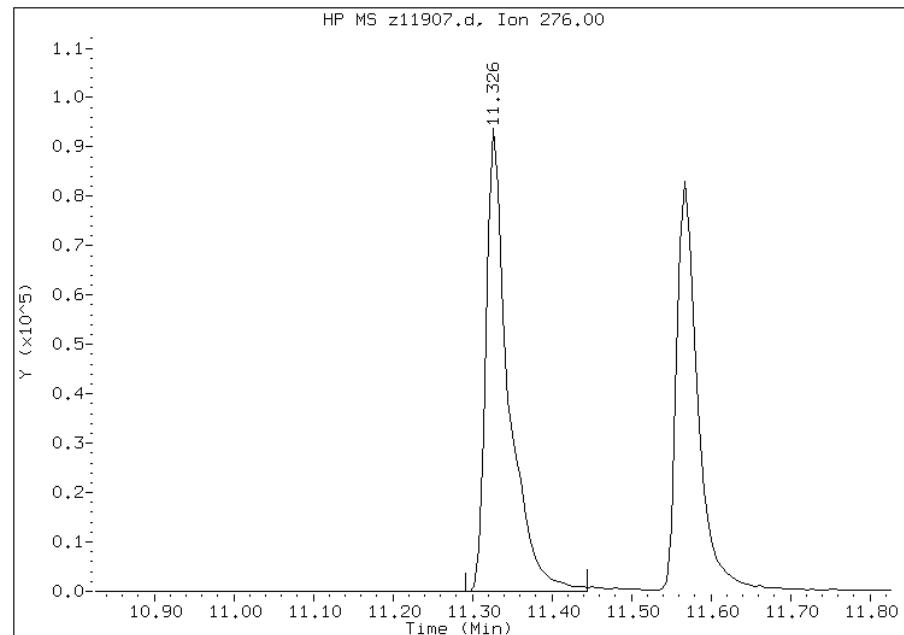
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11907.d  
Inj. Date and Time: 15-AUG-2012 14:07  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/16/2012

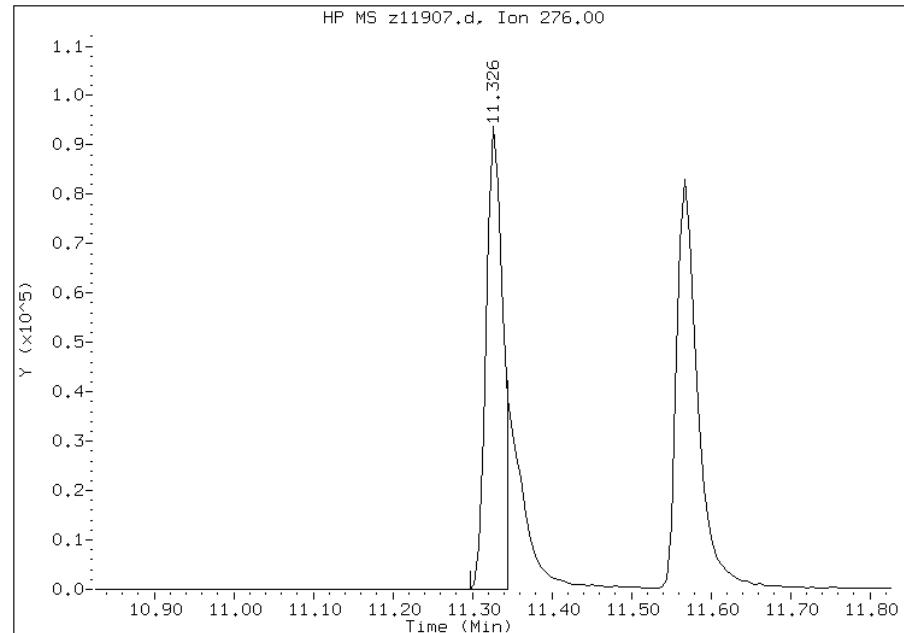
### Processing Integration Results

RT: 11.33  
Response: 183103  
Amount: 71  
Conc: 71



### Manual Integration Results

RT: 11.33  
Response: 135531  
Amount: 55  
Conc: 55



Manually Integrated By: wahied  
Manual Integration Reason:

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124292/2

Calibration Date: 08/14/2012 14:25

Instrument ID: BNAMS5

Calib Start Date: 08/11/2012 12:32

GC Column: Rtx-5MS ID: 0.25 (mm)

Calib End Date: 08/11/2012 14:22

Lab File ID: x29279.d

Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5850	0.5412		46300	50000	-7.5	20.0
N-Nitrosodimethylamine	Ave	0.8012	0.7775		48500	50000	-3.0	20.0
Pyridine	Ave	1.407	1.369		48600	50000	-2.7	20.0
Benzaldehyde	Ave	0.7313	0.5130		35100	50000	-29.8*	20.0
Aniline	Ave	1.962	1.810		46100	50000	-7.7	20.0
Phenol	Ave	1.730	1.558		45000	50000	-9.9	20.0
Bis(2-chloroethyl)ether	Ave	1.404	1.228		43700	50000	-12.5	20.0
2-Chlorophenol	Ave	1.438	1.357		47200	50000	-5.6	20.0
Decane	Ave	1.356	1.350		49800	50000	-0.4	20.0
1,3-Dichlorobenzene	Ave	1.686	1.619		48000	50000	-4.0	20.0
1,4-Dichlorobenzene	Ave	1.658	1.591		48000	50000	-4.0	20.0
1,2-Dichlorobenzene	Ave	1.529	1.441		47100	50000	-5.7	20.0
Benzyl alcohol	Ave	0.7345	0.6531		44500	50000	-11.1	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.478	1.366		46200	50000	-7.6	20.0
2-Methylphenol	Ave	1.167	1.088		46600	50000	-6.7	20.0
Acetophenone	Ave	1.707	1.568		45900	50000	-8.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.9302	0.8495	0.0500	45700	50000	-8.7	20.0
3 & 4 Methylphenol	Ave	1.159	1.163		50200	50000	0.3	20.0
4-Methylphenol	Ave	1.136	1.118		49200	50000	-1.6	20.0
Hexachloroethane	Ave	0.5900	0.5851		49600	50000	-0.8	20.0
Nitrobenzene	Ave	0.5285	0.5070		48000	50000	-4.1	20.0
n,n'-Dimethylaniline	Ave	1.868	1.793		48000	50000	-4.0	20.0
Isophorone	Ave	0.6532	0.6034		46200	50000	-7.6	20.0
2-Nitrophenol	Ave	0.2097	0.2060		49100	50000	-1.8	20.0
2,4-Dimethylphenol	Ave	0.3243	0.3133		48300	50000	-3.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.3953	0.3707		46900	50000	-6.2	20.0
2,4-Dichlorophenol	Ave	0.3014	0.2904		48200	50000	-3.6	20.0
Benzoic acid	Ave	0.1801	0.1299		36100	50000	-27.9*	20.0
1,2,4-Trichlorobenzene	Ave	0.3525	0.3407		48300	50000	-3.3	20.0
Naphthalene	Ave	1.073	1.030		48000	50000	-4.0	20.0
4-Chloroaniline	Ave	0.3822	0.3633		47500	50000	-5.0	20.0
Hexachlorobutadiene	Ave	0.2115	0.2080		49200	50000	-1.7	20.0
Caprolactam	Ave	0.0814	0.0768		47200	50000	-5.6	20.0
4-Chloro-3-methylphenol	Ave	0.2847	0.2721		47800	50000	-4.4	20.0
2-Methylnaphthalene	Ave	0.6676	0.6290		47100	50000	-5.8	20.0
1-Methylnaphthalene	Ave	0.6879	0.6483		47100	50000	-5.8	20.0
Hexachlorocyclopentadiene	LinF	0.2937	0.3601	0.0500	51900	50000	3.8	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6651	0.6718		50500	50000	1.0	20.0
2-tertbutyl-4-methylphenol	Ave	0.4387	0.4385		50000	50000	-0.0	20.0
2,4,6-Trichlorophenol	Ave	0.4058	0.4002		49300	50000	-1.4	20.0
2,4,5-Trichlorophenol	Ave	0.4095	0.4162		50800	50000	1.6	20.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Lab Sample ID: CCVIS 460-124292/2

Calibration Date: 08/14/2012 14:25

Instrument ID: BNAMS5

Calib Start Date: 08/11/2012 12:32

GC Column: Rtx-5MS ID: 0.25 (mm)

Calib End Date: 08/11/2012 14:22

Lab File ID: x29279.d

Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Diphenyl	Ave	1.492	1.471		49300	50000	-1.4	20.0
2-Chloronaphthalene	Ave	1.171	1.137		48600	50000	-2.9	20.0
Diphenyl ether	Ave	0.8763	0.8485		48400	50000	-3.2	20.0
2-Nitroaniline	Ave	0.3752	0.3213		42800	50000	-14.4	20.0
Dimethylnaphthalene, total	Ave	1.013	0.9878		48800	50000	-2.5	20.0
Coumarin	Ave	0.1907	0.1689		44300	50000	-11.4	20.0
Dimethyl phthalate	Ave	1.172	1.118		47700	50000	-4.6	20.0
2,6-Dinitrotoluene	Ave	0.2835	0.2705		47700	50000	-4.6	20.0
Acenaphthylene	Ave	1.845	1.763		47800	50000	-4.5	20.0
3-Nitroaniline	Ave	0.2712	0.2376		43800	50000	-12.4	20.0
Acenaphthene	Ave	1.069	1.033		48300	50000	-3.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.010	1.111		55000	50000	10.0	20.0
2,4-Dinitrophenol	QuaF	0.1226	0.1099	0.0500	42500	50000	-15.0	20.0
4-Nitrophenol	Ave	0.1914	0.1762	0.0500	46000	50000	-8.0	20.0
Dibenzofuran	Ave	1.551	1.467		47300	50000	-5.4	20.0
2,4-Dinitrotoluene	Ave	0.3403	0.3050		44800	50000	-10.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2868	0.2726		47500	50000	-5.0	20.0
Diethyl phthalate	Ave	1.103	1.009		45800	50000	-8.5	20.0
Fluorene	Ave	1.209	1.148		47500	50000	-5.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.6206	0.5955		48000	50000	-4.1	20.0
4-Nitroaniline	Ave	0.2230	0.1873		42000	50000	-16.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1351	0.1280		47400	50000	-5.2	20.0
N-Nitrosodiphenylamine	Ave	0.6205	0.6195		49900	50000	-0.2	20.0
1,2-Diphenylhydrazine	Ave	1.014	1.038		51200	50000	2.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2769	0.2846		51400	50000	2.8	20.0
Hexachlorobenzene	Ave	0.3139	0.3169		50500	50000	1.0	20.0
Atrazine	Ave	0.1998	0.1923		48100	50000	-3.8	20.0
Pentachlorophenol	Ave	0.1517	0.1563		51500	50000	3.1	20.0
Pentachloronitrobenzene	Ave	0.0987	0.0933		47300	50000	-5.5	
n-Octadecane	Ave	0.5411	0.5789		53500	50000	7.0	20.0
Phenanthrenene	Ave	1.123	1.080		48100	50000	-3.8	20.0
Anthracene	Ave	1.118	1.088		48700	50000	-2.7	20.0
Carbazole	Ave	0.8942	0.8115		45400	50000	-9.2	20.0
Di-n-butyl phthalate	Ave	1.096	1.027		46800	50000	-6.3	20.0
Fluoranthene	Ave	0.9662	0.8647		44700	50000	-10.5	20.0
Benzidine	Ave	0.1454	0.0404		13900	50000	-72.2*	20.0
Pyrene	Ave	1.647	1.650		50100	50000	0.2	20.0
Butyl benzyl phthalate	Ave	0.5997	0.5989		49900	50000	-0.1	20.0
2,3,7,8-TCDD (Screen)	Ave	0.1861	0.1790		481	500	-3.8	20.0
Carbamazepine	Ave	0.4361	0.4533		52000	50000	4.0	20.0

FORM VII  
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 460-124292/2 Calibration Date: 08/14/2012 14:25

Instrument ID: BNAMS5 Calib Start Date: 08/11/2012 12:32

GC Column: Rtx-5MS ID: 0.25 (mm) Calib End Date: 08/11/2012 14:22

Lab File ID: x29279.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dichlorobenzidine	QuaF	0.3512	0.3554		52900	50000	5.8	20.0
Benzo[a]anthracene	Ave	1.228	1.140		46400	50000	-7.2	20.0
Chrysene	Ave	1.111	1.097		49400	50000	-1.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7828	0.7913		50500	50000	1.1	20.0
Di-n-octyl phthalate	Ave	1.414	1.395		49400	50000	-1.3	20.0
Benzo[b]fluoranthene	Ave	1.197	1.199		50100	50000	0.2	20.0
Benzo[k]fluoranthene	Ave	1.304	1.202		46100	50000	-7.8	20.0
Benzo[a]pyrene	Ave	0.9586	0.9534		49700	50000	-0.5	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.8358	0.9796		52200	50000	4.4	20.0
Dibenz(a,h)anthracene	Ave	0.9113	0.9944		54600	50000	9.1	20.0
Benzo[g,h,i]perylene	Ave	0.9346	1.004		53700	50000	7.4	20.0
2-Fluorophenol	Ave	1.304	1.242		47600	50000	-4.8	20.0
Phenol-d5	Ave	1.564	1.466		46900	50000	-6.3	20.0
Nitrobenzene-d5	Ave	0.4198	0.4057		48300	50000	-3.4	20.0
2-Fluorobiphenyl	Ave	1.471	1.447		49200	50000	-1.6	20.0
2,4,6-Tribromophenol	Ave	0.2082	0.2107		50600	50000	1.2	20.0
Terphenyl-d14	Ave	1.242	1.263		50800	50000	1.7	20.0

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29279.d  
Report Date: 14-Aug-2012 14:36

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29279.d  
Lab Smp Id: CCVIS-1564229  
Inj Date : 14-AUG-2012 14:25  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : CCVIS-1564229  
Misc Info : 50ppm bna4674  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/8270C\_11.m  
Meth Date : 14-Aug-2012 14:36 croccom Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 2 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
106 1,4-Dioxane	88	1.052	1.052 (0.301)			389761	50.0000	46
19 N-Nitrosodimethylamine	74	1.252	1.252 (0.358)			559965	50.0000	48
71 Pyridine	79	1.270	1.270 (0.363)			985906	50.0000	49
\$ 16 2-Fluorophenol (SUR)	112	2.276	2.276 (0.650)			894226	50.0000	48
110 Benzaldehyde	77	3.052	3.052 (0.872)			369478	50.0000	35
73 Aniline	93	3.170	3.170 (0.906)			1303504	50.0000	46
\$ 17 Phenol-d5 (SUR)	99	3.188	3.188 (0.911)			1055447	50.0000	47
1 Phenol	94	3.199	3.199 (0.914)			1122180	50.0000	45
20 bis(2-Chloroethyl)ether	93	3.252	3.252 (0.929)			884378	50.0000	44
2 2-Chlorophenol	128	3.299	3.299 (0.943)			976999	50.0000	47
113 n-decane	43	3.364	3.364 (0.961)			972350	50.0000	50
21 1,3-Dichlorobenzene	146	3.446	3.446 (0.985)			1165617	50.0000	48
* 79 1,4-Dichlorobenzene-d4	152	3.499	3.499 (1.000)			576146	40.0000	

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29279.d  
 Report Date: 14-Aug-2012 14:36

Compounds	QUANT SIG	AMOUNTS					
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)
22 1,4-Dichlorobenzene	146	3.517	3.517 (1.005)	1145884	50.0000	48	
74 Benzyl Alcohol	108	3.676	3.676 (1.050)	470370	50.0000	44	
23 1,2-Dichlorobenzene	146	3.670	3.670 (1.049)	1038046	50.0000	47	
24 bis (2-chloroisopropyl) ether	45	3.805	3.805 (1.087)	983916	50.0000	46	
3 2-Methylphenol	108	3.817	3.817 (1.091)	783831	50.0000	47	
104 Acetophenone	105	3.941	3.941 (1.126)	1129313	50.0000	46	
25 N-Nitroso-di-n-propylamine	70	3.952	3.952 (1.129)	611796	50.0000	46	
4 4-Methylphenol	108	3.976	3.976 (1.136)	805443	50.0000	49	
123 3 & 4 Methylphenol	108	3.976	3.976 (1.136)	837373	50.0000	50	
26 Hexachloroethane	117	4.011	4.011 (1.146)	421367	50.0000	50	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.082	4.082 (0.850)	992202	50.0000	48	
27 Nitrobenzene	77	4.105	4.105 (0.855)	1239911	50.0000	48	
107 N,N-Dimethylaniline	120	4.111	4.111 (1.175)	1290956	50.0000	48	
28 Isophorone	82	4.352	4.352 (0.907)	1475782	50.0000	46	
5 2-Nitrophenol	139	4.423	4.423 (0.922)	503703	50.0000	49	
6 2,4-Dimethylphenol	122	4.511	4.511 (0.940)	766320	50.0000	48	
29 bis(2-Chloroethoxy)methane	93	4.593	4.593 (0.957)	906578	50.0000	47	
15 Benzoic Acid	122	4.699	4.699 (0.979)	317809	50.0000	36	
7 2,4-Dichlorophenol	162	4.682	4.682 (0.975)	710362	50.0000	48	
30 1,2,4-Trichlorobenzene	180	4.752	4.752 (0.990)	833168	50.0000	48	
* 80 Naphthalene-d8	136	4.799	4.799 (1.000)	1956625	40.0000		
31 Naphthalene	128	4.823	4.823 (1.005)	2518785	50.0000	48	
32 4-Chloroaniline	127	4.899	4.899 (1.021)	888459	50.0000	48	
33 Hexachlorobutadiene	225	4.964	4.964 (1.034)	508654	50.0000	49	
111 Caprolactam	113	5.293	5.293 (1.103)	187878	50.0000	47	
8 4-Chloro-3-methylphenol	107	5.435	5.435 (1.132)	665381	50.0000	48	
34 2-Methylnaphthalene	142	5.517	5.517 (1.150)	1538452	50.0000	47	
120 1-Methylnaphthalene	142	5.617	5.617 (1.170)	1585649	50.0000	47	
35 Hexachlorocyclopentadiene	237	5.687	5.687 (0.870)	410718	50.0000	52	
129 1,2,4,5-Tetrachlorobenzene	216	5.693	5.693 (0.870)	766306	50.0000	50	
121 2-tert-Butyl-4-methylphenol	149	5.770	5.770 (1.202)	1072382	50.0000	50	
9 2,4,6-Trichlorophenol	196	5.823	5.823 (0.890)	456537	50.0000	49	
10 2,4,5-Trichlorophenol	196	5.864	5.864 (0.897)	474687	50.0000	51	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.899	5.899 (0.902)	1650410	50.0000	49	
102 Diphenyl	154	5.993	5.993 (0.916)	1678345	50.0000	49	
36 2-Chloronaphthalene	162	5.999	5.999 (0.917)	1297038	50.0000	48	
103 Diphenyl Ether	170	6.099	6.099 (0.933)	967865	50.0000	48	
37 2-Nitroaniline	65	6.123	6.123 (0.936)	366470	50.0000	43	
125 1,3-Dimethylnaphthalene	156	6.223	6.223 (0.951)	1126733	50.0000	49	
38 Dimethylphthalate	163	6.317	6.317 (0.966)	1275192	50.0000	48	
114 Coumarin	146	6.317	6.317 (1.316)	413202	50.0000	44	
40 2,6-Dinitrotoluene	165	6.370	6.370 (0.974)	308556	50.0000	48	
39 Acenaphthylene	152	6.405	6.405 (0.979)	2010614	50.0000	48	
41 3-Nitroaniline	138	6.529	6.529 (0.998)	271010	50.0000	44	
* 82 Acenaphthene-d10	164	6.540	6.540 (1.000)	912531	40.0000		
42 Acenaphthene	154	6.576	6.576 (1.005)	1178468	50.0000	48	
122 2,6-Di-tert-butyl-p-cresol	205	6.599	6.599 (1.009)	1266967	50.0000	55	

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29279.d  
 Report Date: 14-Aug-2012 14:36

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
11 2,4-Dinitrophenol	184	6.634	6.634 (1.014)		1.014	125406	50.0000	42
12 4-Nitrophenol	65	6.740	6.740 (1.031)		1.031	200939	50.0000	46
43 Dibenzofuran	168	6.746	6.746 (1.031)		1.031	1673668	50.0000	47
44 2,4-Dinitrotoluene	165	6.764	6.764 (1.034)		1.034	347914	50.0000	45
130 2,3,4,6-Tetrachlorophenol	232	6.882	6.882 (1.052)		1.052	310970	50.0000	48
45 Diethylphthalate	149	7.011	7.011 (1.072)		1.072	1151328	50.0000	46
47 Fluorene	166	7.082	7.082 (1.083)		1.083	1309108	50.0000	47
46 4-Chlorophenyl-phenylether	204	7.093	7.093 (1.085)		1.085	679216	50.0000	48
48 4-Nitroaniline	138	7.129	7.129 (1.090)		1.090	213602	50.0000	42
13 4,6-Dinitro-2-methylphenol	198	7.158	7.158 (0.897)		0.897	174579	50.0000	47
49 N-Nitrosodiphenylamine	169	7.217	7.217 (0.904)		0.904	844702	50.0000	50
75 1,2-Diphenylhydrazine	77	7.246	7.246 (0.908)		0.908	1415900	50.0000	51
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.317	7.317 (1.119)		1.119	240280	50.0000	50
50 4-Bromophenyl-phenylether	248	7.564	7.564 (0.948)		0.948	388081	50.0000	51
51 Hexachlorobenzene	284	7.617	7.617 (0.954)		0.954	432083	50.0000	50
112 Atrazine	200	7.758	7.758 (0.972)		0.972	262136	50.0000	48
14 Pentachlorophenol	266	7.823	7.823 (0.980)		0.980	213140	50.0000	52
132 Pentachloronitrobenzene	237	7.829	7.829 (0.981)		0.981	127244	50.0000	47
115 n-Octadecane	57	7.946	7.946 (0.996)		0.996	789338	50.0000	53
* 83 Phenanthrene-d10	188	7.981	7.981 (1.000)		1.000	1090836	40.0000	
52 Phenanthrene	178	8.005	8.005 (1.003)		1.003	1473195	50.0000	48
53 Anthracene	178	8.058	8.058 (1.010)		1.010	1484062	50.0000	49
54 Carbazole	167	8.229	8.229 (1.031)		1.031	1106470	50.0000	45
55 Di-n-butylphthalate	149	8.599	8.599 (1.077)		1.077	1400063	50.0000	47
56 Fluoranthene	202	9.158	9.158 (1.147)		1.147	1179020	50.0000	45
58 Benzidine	184	9.317	9.317 (1.167)		1.167	55141	50.0000	14
57 Pyrene	202	9.370	9.370 (0.886)		0.886	1165466	50.0000	50
\$ 78 Terphenyl-d14	244	9.552	9.552 (0.904)		0.904	891777	50.0000	51
59 Butylbenzylphthalate	149	10.046	10.046 (0.950)		0.950	422991	50.0000	50
109 2,3,7,8-TCDD (Screen)	320	10.117	10.117 (0.957)		0.957	1264	0.50000	0.48(a)
124 Carbamazepine	193	10.128	10.128 (0.958)		0.958	320166	50.0000	52
60 3,3'-Dichlorobenzidine	252	10.558	10.558 (0.999)		0.999	251008	50.0000	53
61 Benzo(a)anthracene	228	10.564	10.564 (0.999)		0.999	805048	50.0000	46
* 81 Chrysene-d12	240	10.570	10.570 (1.000)		1.000	565013	40.0000	
62 Chrysene	228	10.599	10.599 (1.003)		1.003	775030	50.0000	49
63 bis(2-Ethylhexyl)phthalate	149	10.658	10.658 (1.008)		1.008	558846	50.0000	50
64 Di-n-octylphthalate	149	11.393	11.393 (0.931)		0.931	799193	50.0000	49
65 Benzo(b)fluoranthene	252	11.775	11.775 (0.962)		0.962	686643	50.0000	50
66 Benzo(k)fluoranthene	252	11.811	11.811 (0.965)		0.965	688542	50.0000	46
67 Benzo(a)pyrene	252	12.164	12.164 (0.994)		0.994	546027	50.0000	50
* 84 Perylene-d12	264	12.234	12.234 (1.000)		1.000	458183	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.558	13.558 (1.108)		1.108	561048	50.0000	52
69 Dibenz(a,h)anthracene	278	13.587	13.587 (1.111)		1.111	569509	50.0000	54
70 Benzo(g,h,i)perylene	276	13.875	13.875 (1.134)		1.134	574902	50.0000	54

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29279.d  
Report Date: 14-Aug-2012 14:36

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: x29279.d

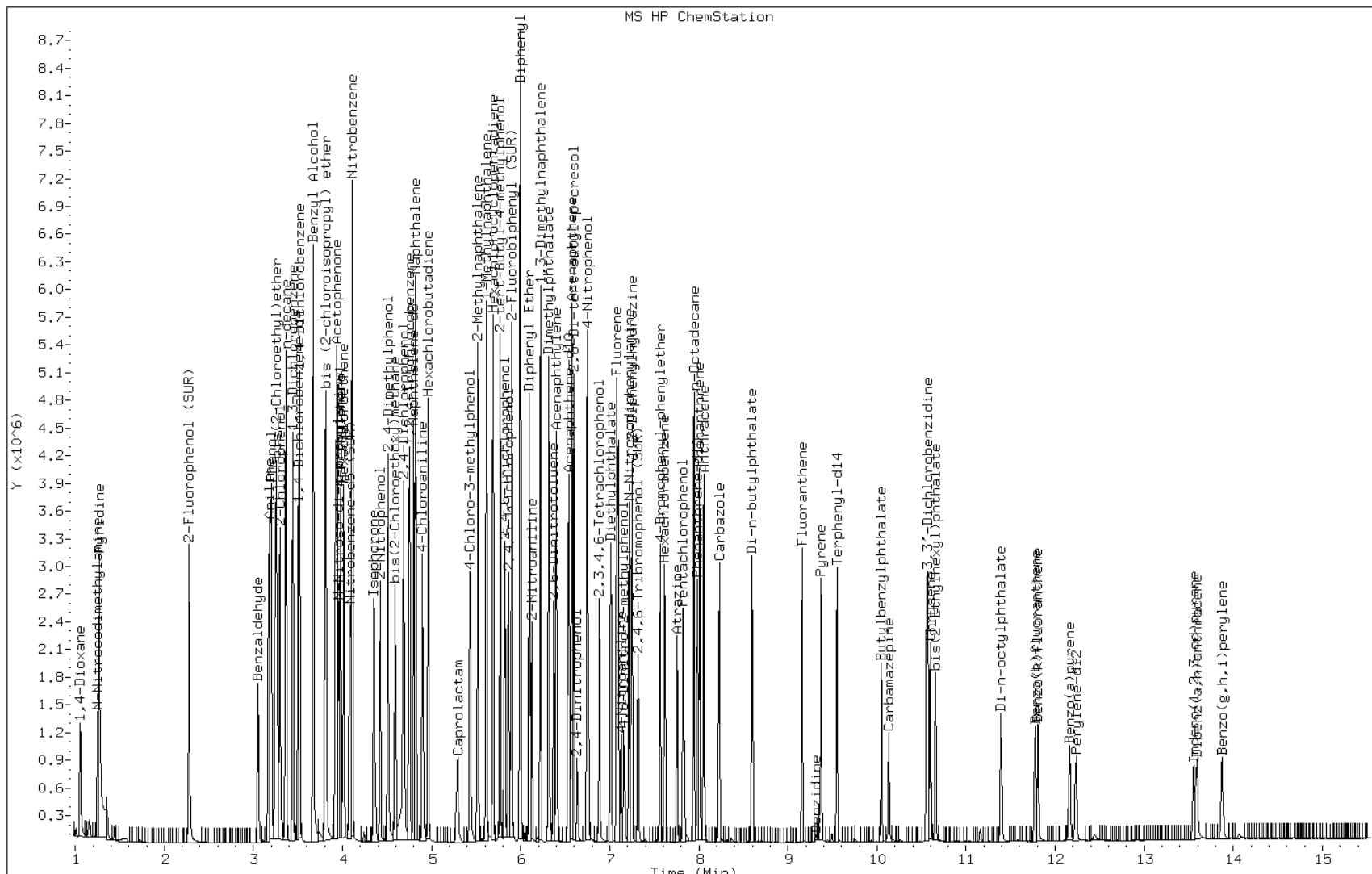
Date: 14-AUG-2012 14:25

Client ID:

Instrument: BNAMS5.i

Sample Info: CCVIS-1564229

Operator: BNAMS 4



Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11523.d  
Report Date: 07-Aug-2012 05:18

TestAmerica

Data file : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11523.d  
Lab Smp Id: DFTPP-1653831  
Inj Date : 06-AUG-2012 12:37  
Operator : BNA2 Inst ID: BNAMS11.i  
Smp Info : DFTPP-1653831  
Misc Info : 25 ppm bna 4687  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/06aug12.b/BNADFTPP.m  
Meth Date : 02-Aug-2012 09:52 monica Quant Type: ESTD  
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d  
Als bottle: 1 QC Sample: DFTPP  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	====

1 dftpp				CAS #:			
3.279	3.300	-0.021	198	27475		0.00- 100.00	100.00
3.279	3.300	-0.021	51	13954		30.00- 60.00	50.79
3.279	3.300	-0.021	68	0		0.00- 2.00	0.00
3.279	3.300	-0.021	69	13529		0.00- 0.00	49.24
3.279	3.300	-0.021	70	0		0.00- 2.00	0.00
3.279	3.300	-0.021	127	16191		40.00- 60.00	58.93
3.279	3.300	-0.021	197	0		0.00- 1.00	0.00
3.279	3.300	-0.021	199	1886		5.00- 9.00	6.86
3.279	3.300	-0.021	275	7621		10.00- 30.00	27.74
3.279	3.300	-0.021	365	1380		1.00- 0.00	5.02
3.279	3.300	-0.021	441	3267		0.01- 100.00	76.35
3.279	3.300	-0.021	442	22486		40.00- 110.00	81.84
3.279	3.300	-0.021	443	4279		17.00- 23.00	19.03

Data File: z11523.d

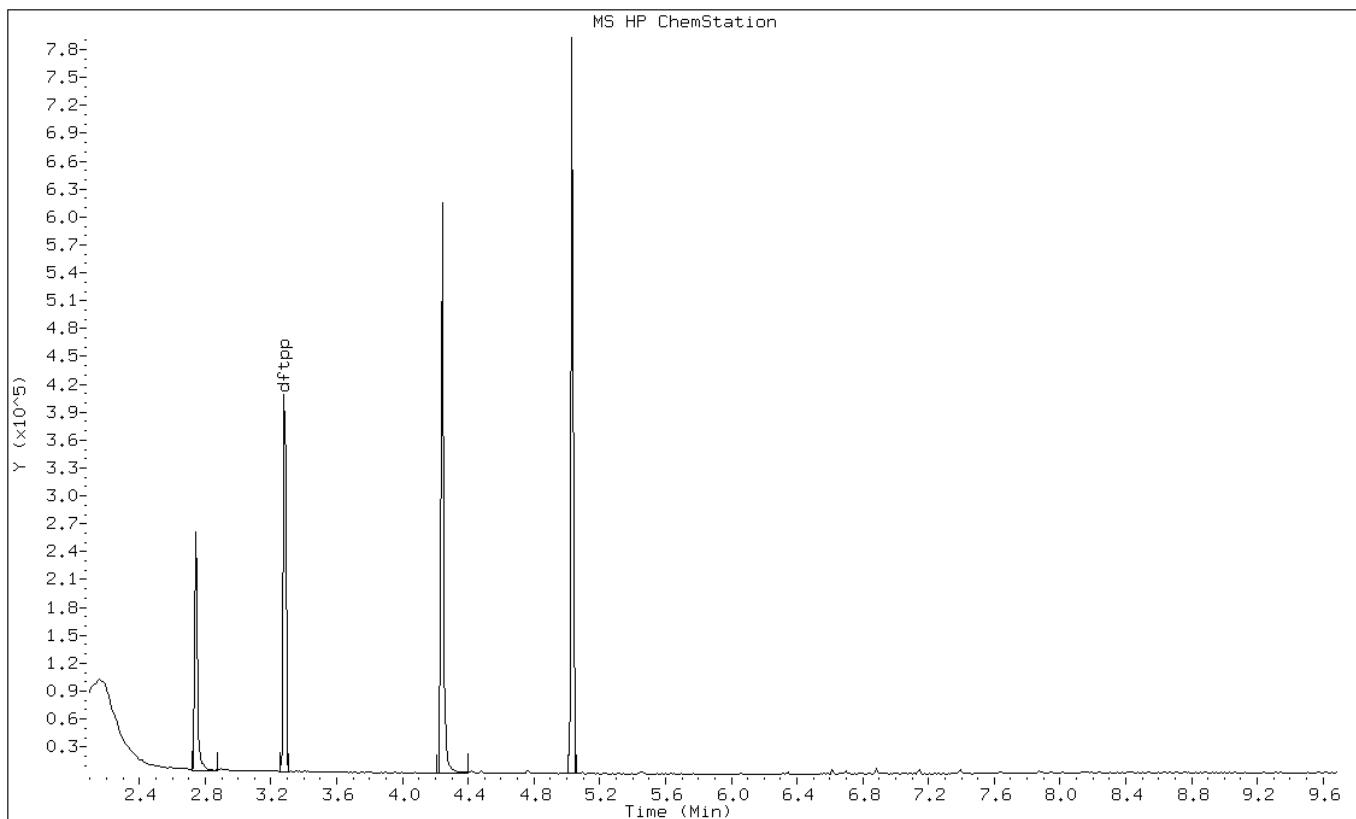
Date: 06-AUG-2012 12:37

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: z11523.d

Date: 06-AUG-2012 12:37

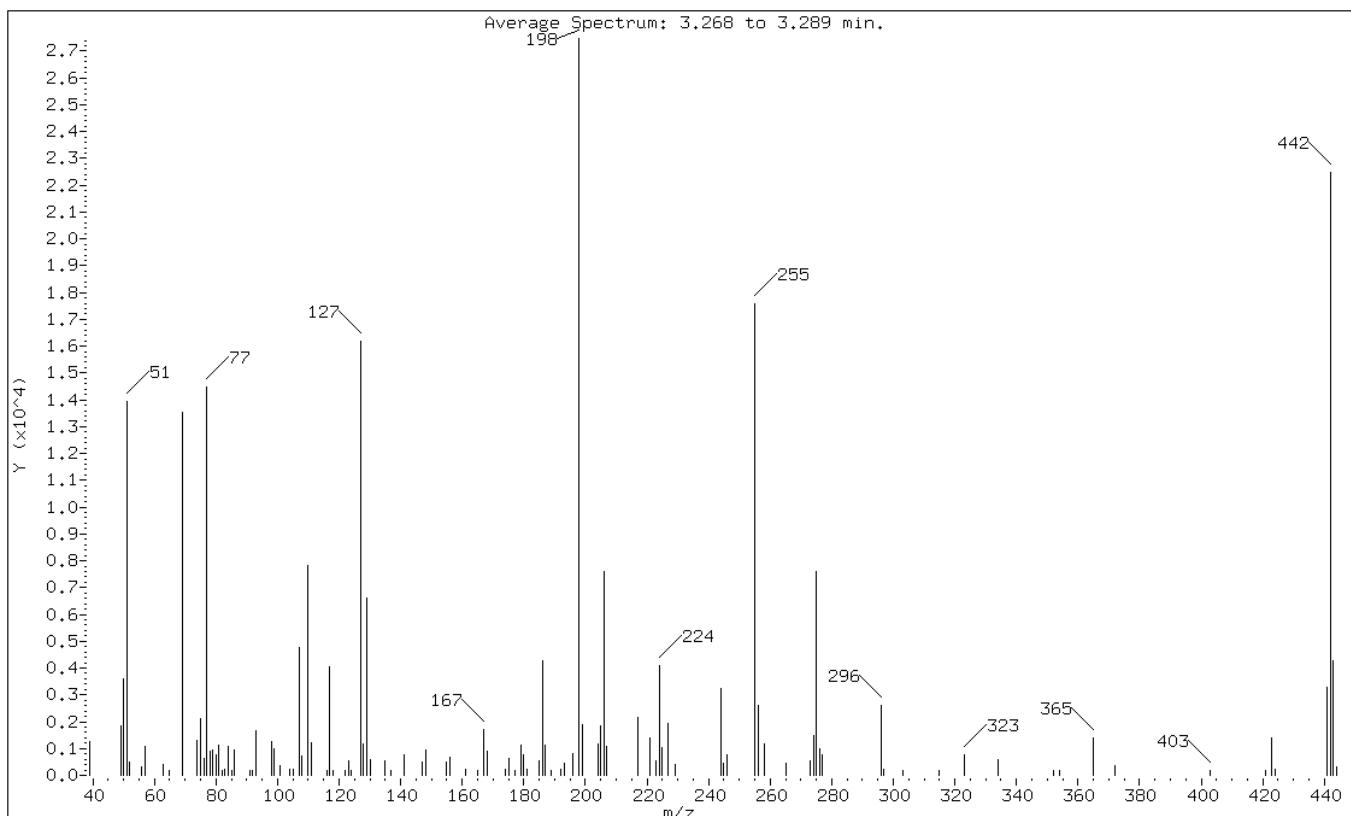
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	50.79
68	Less than 2.00% of mass 69	0.00 ( 0.00)
69	Mass 69 relative abundance	49.24
70	Less than 2.00% of mass 69	0.00 ( 0.00)
127	40.00 - 60.00% of mass 198	58.93
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.86
275	10.00 - 30.00% of mass 198	27.74
365	Greater than 1.00% of mass 198	5.02
441	0.01 - 100.00% of mass 443	11.89 ( 76.35)
442	40.00 - 110.00% of mass 198	81.84
443	17.00 - 23.00% of mass 442	15.57 ( 19.03)

Data File: z11523.d

Date: 06-AUG-2012 12:37

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/08-06-12/06aug12.b/z11523.d

Spectrum: Average Spectrum: 3.268 to 3.289 min.

Location of Maximum: 198.00

Number of points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1276	104.00	245	177.00	182	258.00	1171
49.00	1848	105.00	244	179.00	1140	265.00	440
50.00	3606	107.00	4752	180.00	770	273.00	555
51.00	13954	108.00	711	181.00	208	274.00	1502
52.00	503	110.00	7808	185.00	555	275.00	7621
56.00	309	111.00	1226	186.00	4266	276.00	1011
57.00	1097	116.00	175	187.00	1131	277.00	758
63.00	388	117.00	4059	189.00	195	296.00	2616
65.00	182	118.00	198	192.00	234	297.00	209
69.00	13529	122.00	175	193.00	471	303.00	181
74.00	1307	123.00	518	196.00	826	315.00	195
75.00	2098	124.00	183	198.00	27472	323.00	782
76.00	645	127.00	16191	199.00	1886	334.00	563
77.00	14467	128.00	1149	204.00	1166	352.00	181
78.00	914	129.00	6622	205.00	1841	354.00	170
79.00	924	130.00	574	206.00	7616	365.00	1380
80.00	749	135.00	534	207.00	1061	372.00	354
81.00	1106	137.00	190	217.00	2165	403.00	193
82.00	181	141.00	778	221.00	1384	421.00	172
83.00	221	147.00	488	223.00	528	423.00	1403
84.00	1095	148.00	951	224.00	4072	424.00	213
85.00	174	155.00	496	225.00	1012	441.00	3267
86.00	961	156.00	655	227.00	1926	442.00	22480
91.00	181	161.00	219	229.00	415	443.00	4279
92.00	169	165.00	199	244.00	3219	444.00	296
93.00	1643	167.00	1705	245.00	439		
98.00	1265	168.00	891	246.00	752		
99.00	994	174.00	210	255.00	17600		
101.00	379	175.00	631	256.00	2592		

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11875.d  
Report Date: 15-Aug-2012 01:11

TestAmerica

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11875.d  
Lab Smp Id: DFTPP-1653831  
Inj Date : 15-AUG-2012 00:37  
Operator : BNAMS3 Inst ID: BNAMS11.i  
Smp Info : DFTPP-1653831  
Misc Info : 25 ppm bna 4687  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/BNADFTPP.m  
Meth Date : 02-Aug-2012 09:52 monica Quant Type: ESTD  
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d  
Als bottle: 1 QC Sample: DFTPP  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	====

1 dftpp				CAS #:			
2.937	3.300	-0.363	198	36156	0.00-	100.00	100.00
2.937	3.300	-0.363	51	13813	30.00-	60.00	38.20
2.937	3.300	-0.363	68	172	0.00-	2.00	1.21
2.937	3.300	-0.363	69	14239	0.00-	0.00	39.38
2.937	3.300	-0.363	70	0	0.00-	2.00	0.00
2.937	3.300	-0.363	127	19633	40.00-	60.00	54.30
2.937	3.300	-0.363	197	242	0.00-	1.00	0.67
2.937	3.300	-0.363	199	2533	5.00-	9.00	7.01
2.937	3.300	-0.363	275	9814	10.00-	30.00	27.14
2.937	3.300	-0.363	365	1653	1.00-	0.00	4.57
2.937	3.300	-0.363	441	4355	0.01-	100.00	72.03
2.937	3.300	-0.363	442	31558	40.00-	110.00	87.28
2.937	3.300	-0.363	443	6046	17.00-	23.00	19.16

Data File: z11875.d

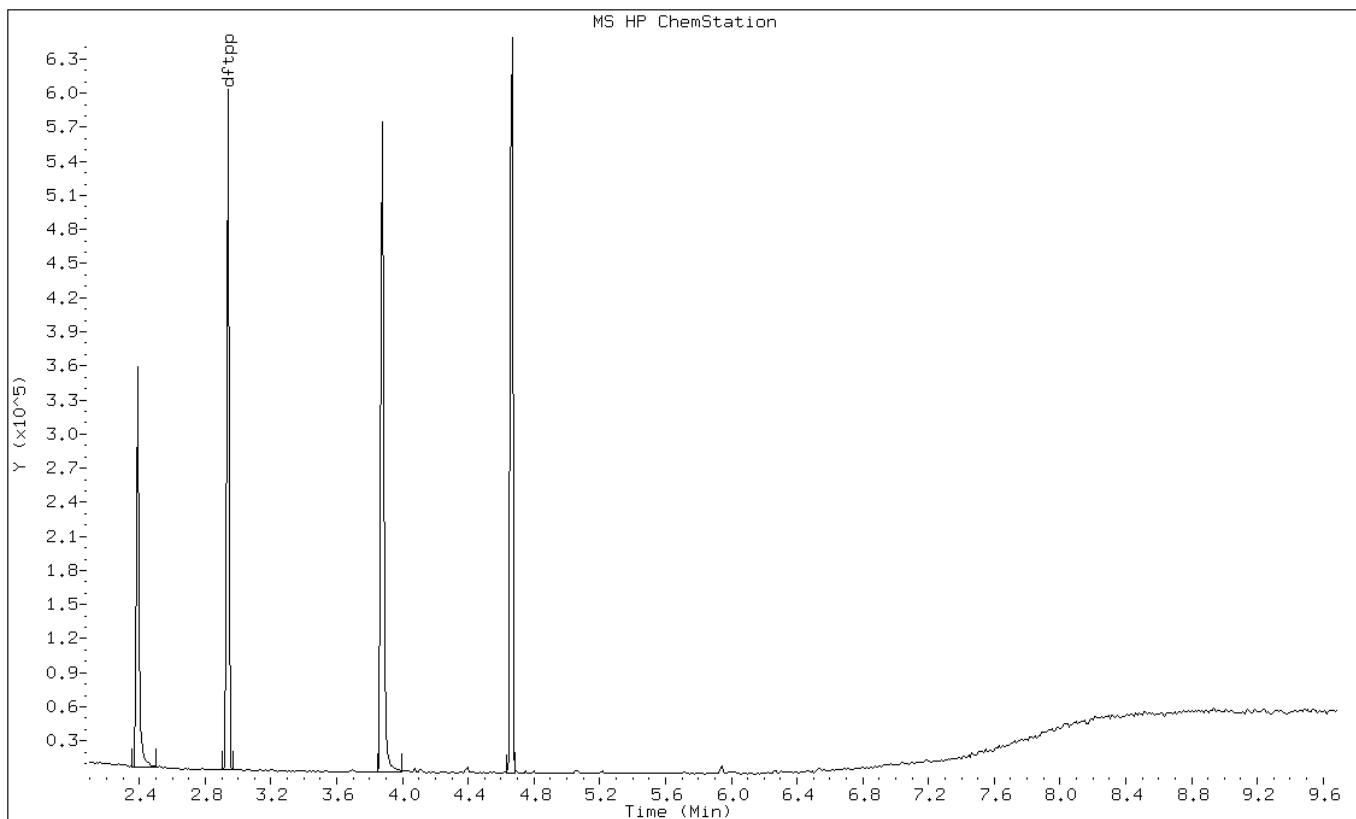
Date: 15-AUG-2012 00:37

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNAMS3



Data File: z11875.d

Date: 15-AUG-2012 00:37

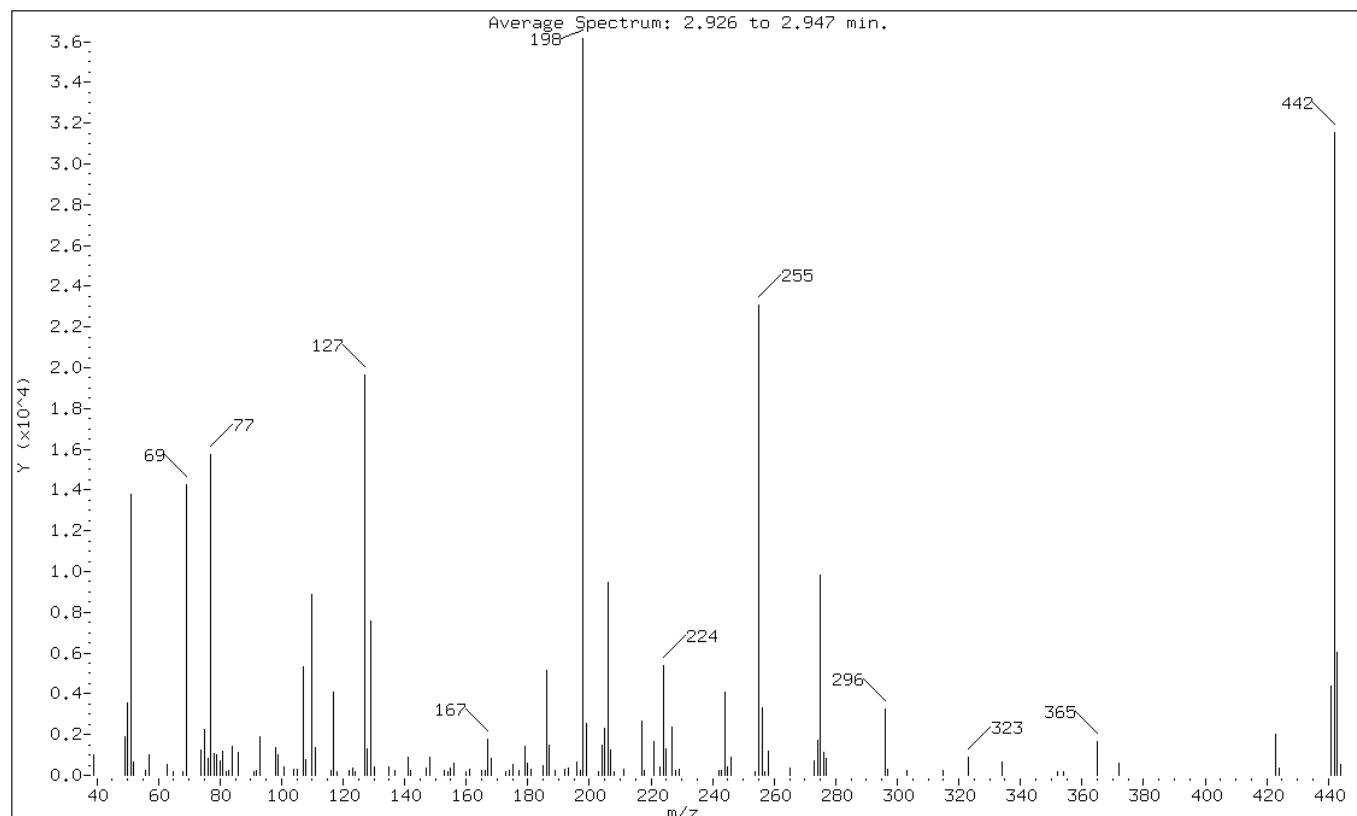
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNAMS3

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.20
68	Less than 2.00% of mass 69	0.48 ( 1.21)
69	Mass 69 relative abundance	39.38
70	Less than 2.00% of mass 69	0.00 ( 0.00)
127	40.00 - 60.00% of mass 198	54.30
197	Less than 1.00% of mass 198	0.67
199	5.00 - 9.00% of mass 198	7.01
275	10.00 - 30.00% of mass 198	27.14
365	Greater than 1.00% of mass 198	4.57
441	0.01 - 100.00% of mass 443	12.05 ( 72.03)
442	40.00 - 110.00% of mass 198	87.28
443	17.00 - 23.00% of mass 442	16.72 ( 19.16)

Data File: z11875.d

Date: 15-AUG-2012 00:37

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNAMS3

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11875.d

Spectrum: Average Spectrum: 2.926 to 2.947 min.

Location of Maximum: 198.00

Number of points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	984	108.00	753	177.00	227	244.00	4077
49.00	1887	110.00	8903	179.00	1419	245.00	408
50.00	3540	111.00	1367	180.00	565	246.00	884
51.00	13813	116.00	217	181.00	313	254.00	197
52.00	632	117.00	4075	185.00	464	255.00	23096
56.00	263	118.00	200	186.00	5155	256.00	3288
57.00	979	122.00	238	187.00	1477	257.00	199
63.00	551	123.00	382	189.00	227	258.00	1186
65.00	205	124.00	184	192.00	283	265.00	355
68.00	172	127.00	19632	193.00	345	273.00	724
69.00	14239	128.00	1277	196.00	654	274.00	1691
74.00	1259	129.00	7568	197.00	242	275.00	9814
75.00	2249	130.00	410	198.00	36152	276.00	1142
76.00	840	135.00	401	199.00	2533	277.00	854
77.00	15763	137.00	214	203.00	194	296.00	3280
78.00	1070	141.00	889	204.00	1464	297.00	277
79.00	999	142.00	229	205.00	2301	303.00	222
80.00	702	147.00	332	206.00	9492	315.00	239
81.00	1172	148.00	912	207.00	1250	323.00	905
82.00	187	153.00	231	208.00	199	334.00	653
83.00	227	154.00	169	211.00	290	352.00	176
84.00	1444	155.00	360	217.00	2685	354.00	193
86.00	1101	156.00	569	218.00	236	365.00	1653
91.00	194	160.00	202	221.00	1672	372.00	595
92.00	214	161.00	301	223.00	401	423.00	1988
93.00	1892	165.00	235	224.00	5376	424.00	371
98.00	1338	166.00	229	225.00	1305	441.00	4355
99.00	999	167.00	1784	227.00	2383	442.00	31552
101.00	434	168.00	837	228.00	220	443.00	6046
104.00	280	173.00	180	229.00	319	444.00	512
105.00	272	174.00	261	242.00	222		
107.00	5350	175.00	506	243.00	238		

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11906.d  
Report Date: 15-Aug-2012 14:07

TestAmerica

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11906.d  
Lab Smp Id: DFTPP-1653831  
Inj Date : 15-AUG-2012 13:50  
Operator : BNA2 Inst ID: BNAMS11.i  
Smp Info : DFTPP-1653831  
Misc Info : 25 ppm bna 4687  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/BNADFTPP.m  
Meth Date : 02-Aug-2012 09:52 monica Quant Type: ESTD  
Cal Date : 11-JAN-2010 13:45 Cal File: h85796.d  
Als bottle: 1 QC Sample: DFTPP  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: None  
Processing Host: hpdl

CONCENTRATIONS									
RT	EXP RT	DLT RT	MASS	RESPONSE ( ug/L)	ON-COL ( ug/L)	FINAL	TARGET	RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====	=====	=====
1 dftpp						CAS #:			
2.903	3.300	-0.397	198	38311			0.00-	100.00	100.00
2.903	3.300	-0.397	51	14331			30.00-	60.00	37.41
2.903	3.300	-0.397	68	0			0.00-	2.00	0.00
2.903	3.300	-0.397	69	14770			0.00-	0.00	38.55
2.903	3.300	-0.397	70	0			0.00-	2.00	0.00
2.903	3.300	-0.397	127	20313			40.00-	60.00	53.02
2.903	3.300	-0.397	197	0			0.00-	1.00	0.00
2.903	3.300	-0.397	199	2678			5.00-	9.00	6.99
2.903	3.300	-0.397	275	10302			10.00-	30.00	26.89
2.903	3.300	-0.397	365	1689			1.00-	0.00	4.41
2.903	3.300	-0.397	441	4541			0.01-	100.00	69.59
2.903	3.300	-0.397	442	33628			40.00-	110.00	87.78
2.903	3.300	-0.397	443	6525			17.00-	23.00	19.40

Data File: z11906.d

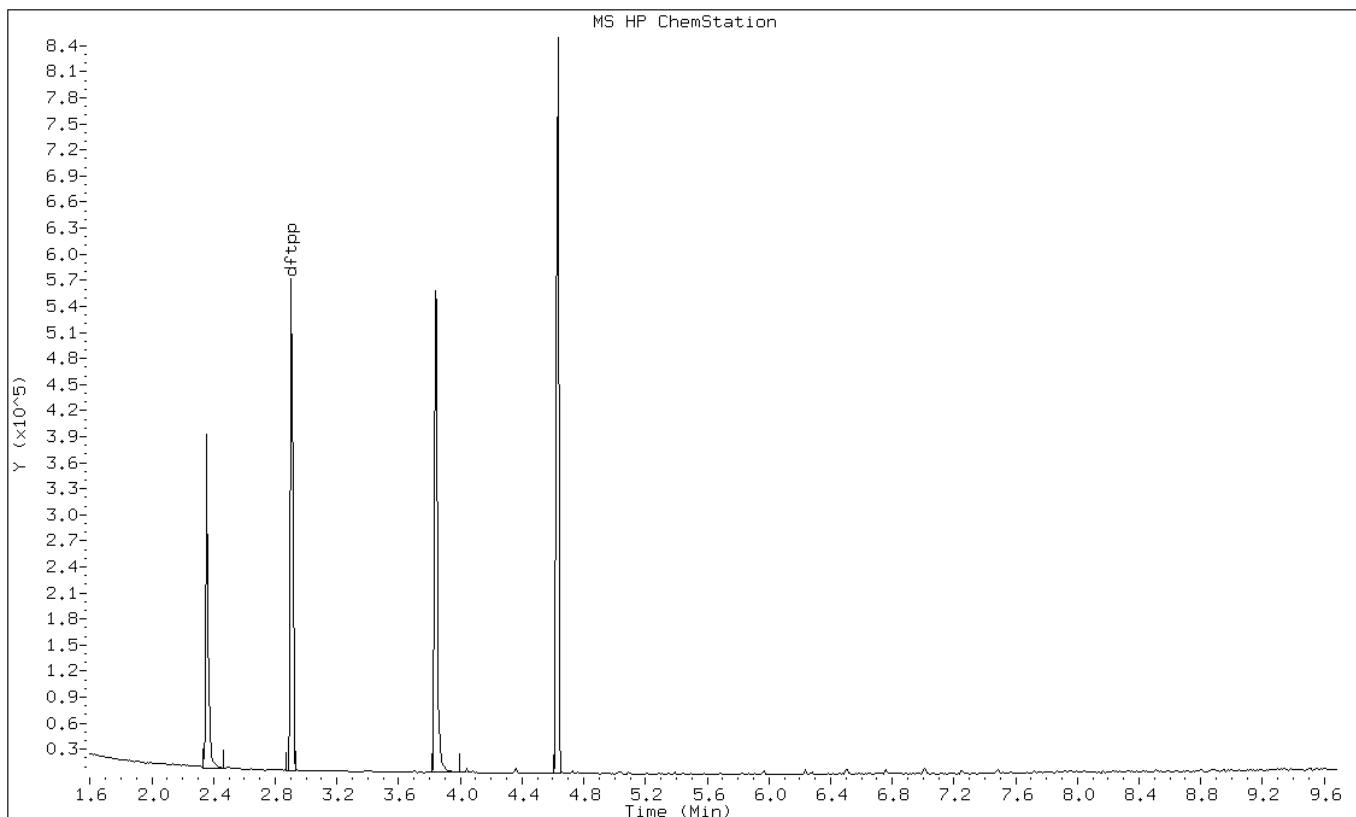
Date: 15-AUG-2012 13:50

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: z11906.d

Date: 15-AUG-2012 13:50

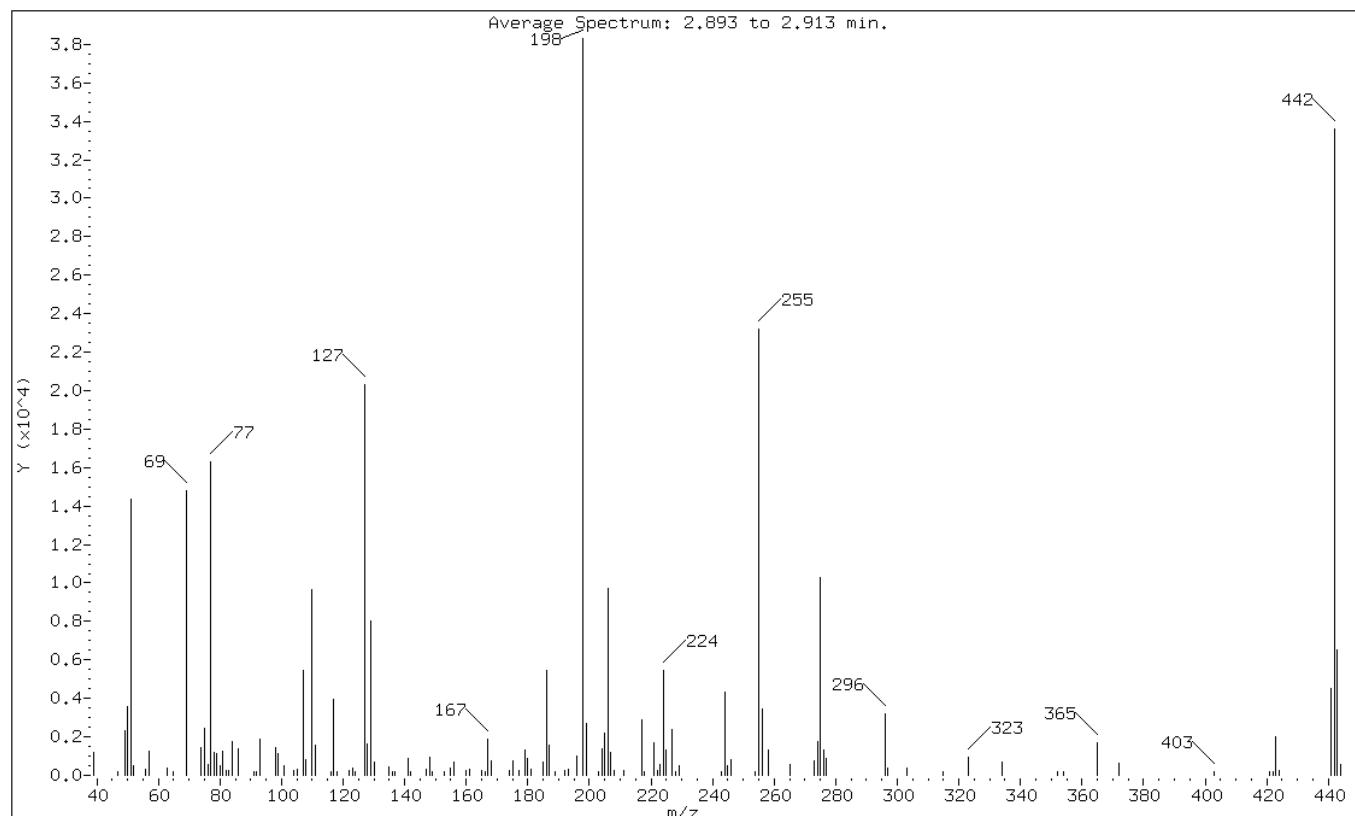
Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.41
68	Less than 2.00% of mass 69	0.00 ( 0.00)
69	Mass 69 relative abundance	38.55
70	Less than 2.00% of mass 69	0.00 ( 0.00)
127	40.00 - 60.00% of mass 198	53.02
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.99
275	10.00 - 30.00% of mass 198	26.89
365	Greater than 1.00% of mass 198	4.41
441	0.01 - 100.00% of mass 443	11.85 ( 69.59)
442	40.00 - 110.00% of mass 198	87.78
443	17.00 - 23.00% of mass 442	17.03 ( 19.40)

Data File: z11906.d

Date: 15-AUG-2012 13:50

Client ID:

Instrument: BNAMS11.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b/z11906.d

Spectrum: Average Spectrum: 2.893 to 2.913 min.

Location of Maximum: 198.00

Number of points: 127

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1185	108.00	801	177.00	230	245.00	532
47.00	169	110.00	9640	179.00	1322	246.00	842
49.00	2330	111.00	1542	180.00	861	254.00	174
50.00	3580	116.00	179	181.00	283	255.00	23200
51.00	14331	117.00	3969	185.00	678	256.00	3470
52.00	507	118.00	205	186.00	5467	258.00	1313
56.00	295	122.00	227	187.00	1596	265.00	544
57.00	1223	123.00	359	189.00	191	273.00	737
63.00	407	124.00	179	192.00	275	274.00	1775
65.00	181	127.00	20312	193.00	328	275.00	10302
69.00	14770	128.00	1616	196.00	1019	276.00	1329
74.00	1421	129.00	8016	198.00	38304	277.00	874
75.00	2420	130.00	682	199.00	2678	296.00	3202
76.00	576	135.00	426	203.00	215	297.00	406
77.00	16313	136.00	211	204.00	1368	303.00	357
78.00	1215	137.00	207	205.00	2222	315.00	198
79.00	1132	141.00	868	206.00	9698	323.00	959
80.00	501	142.00	217	207.00	1179	334.00	707
81.00	1277	147.00	306	208.00	224	352.00	172
82.00	231	148.00	965	211.00	259	354.00	213
83.00	268	149.00	176	217.00	2867	365.00	1689
84.00	1757	153.00	197	218.00	187	372.00	610
86.00	1391	155.00	374	221.00	1667	403.00	217
91.00	210	156.00	720	222.00	273	421.00	193
92.00	216	160.00	235	223.00	563	422.00	192
93.00	1889	161.00	328	224.00	5439	423.00	2001
98.00	1415	165.00	255	225.00	1345	424.00	269
99.00	1151	166.00	197	227.00	2379	441.00	4541
101.00	472	167.00	1869	228.00	208	442.00	33624
104.00	239	168.00	772	229.00	487	443.00	6525
105.00	290	174.00	247	243.00	178	444.00	582
107.00	5433	175.00	732	244.00	4304		

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29150.d  
Report Date: 11-Aug-2012 11:54

TestAmerica

Data file : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29150.d  
Lab Smp Id: DFTPP-1653831  
Inj Date : 11-AUG-2012 11:49  
Operator : BNA2 Inst ID: BNAMS5.i  
Smp Info : DFTPP-1653831  
Misc Info : 25 ppm bna 4687  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/11aug12.b/BNADFTPP.m  
Meth Date : 11-Aug-2012 08:40 rusin Quant Type: ESTD  
Cal Date : Cal File:  
Als bottle: 1 QC Sample: DFTPP  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====

1 dftpp				CAS #:			
4.397	4.403	-0.006	198	313450	0.00-	100.00	100.00
4.397	4.403	-0.006	51	169664	30.00-	60.00	54.13
4.397	4.403	-0.006	68	3171	0.00-	2.00	1.93
4.397	4.403	-0.006	69	164656	0.00-	0.00	52.53
4.397	4.403	-0.006	70	1100	0.00-	2.00	0.67
4.397	4.403	-0.006	127	165930	40.00-	60.00	52.94
4.397	4.403	-0.006	197	0	0.00-	1.00	0.00
4.397	4.403	-0.006	199	21187	5.00-	9.00	6.76
4.397	4.403	-0.006	275	77728	10.00-	30.00	24.80
4.397	4.403	-0.006	365	8662	1.00-	0.00	2.76
4.397	4.403	-0.006	441	32990	0.01-	100.00	72.53
4.397	4.403	-0.006	442	235013	40.00-	110.00	74.98
4.397	4.403	-0.006	443	45483	17.00-	23.00	19.35

Data File: x29150.d

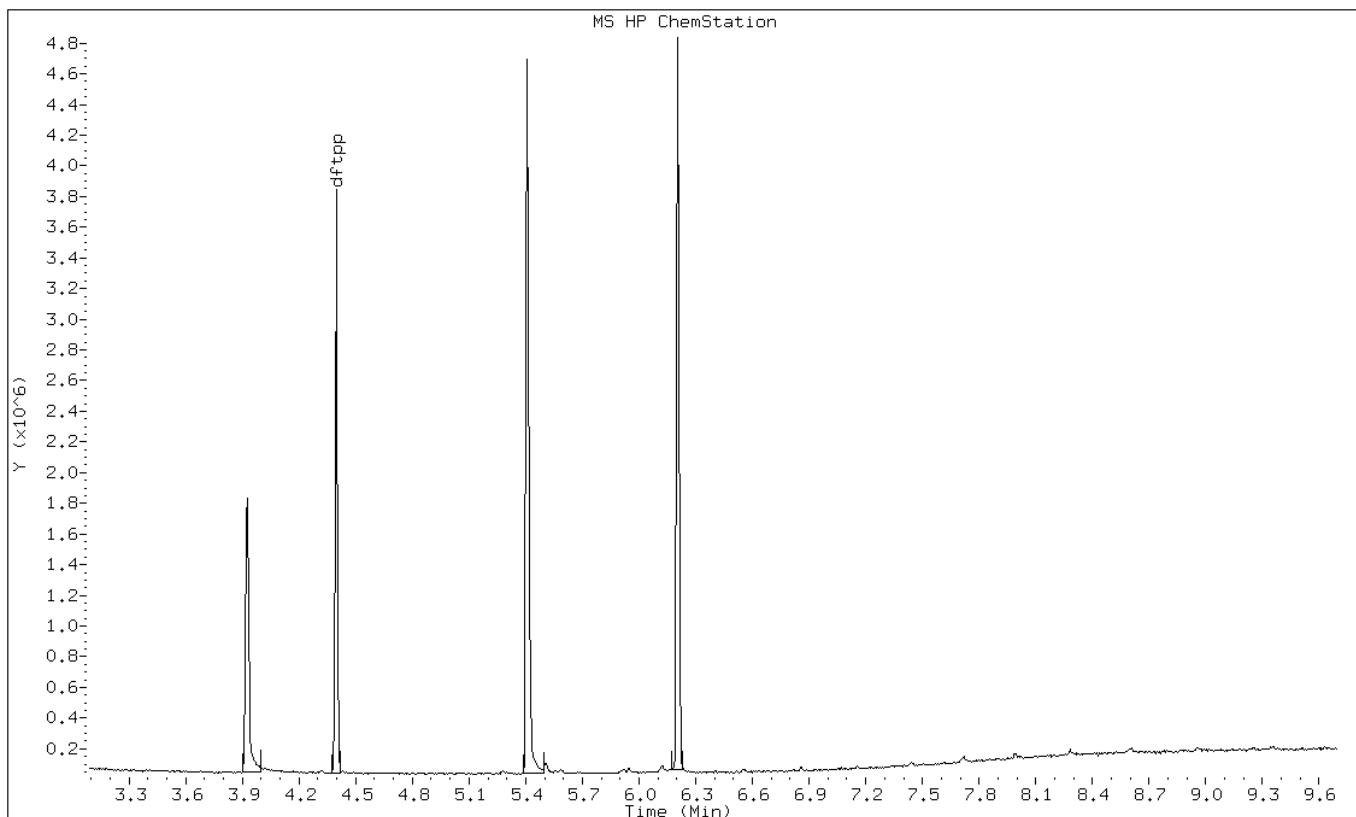
Date: 11-AUG-2012 11:49

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: x29150.d

Date: 11-AUG-2012 11:49

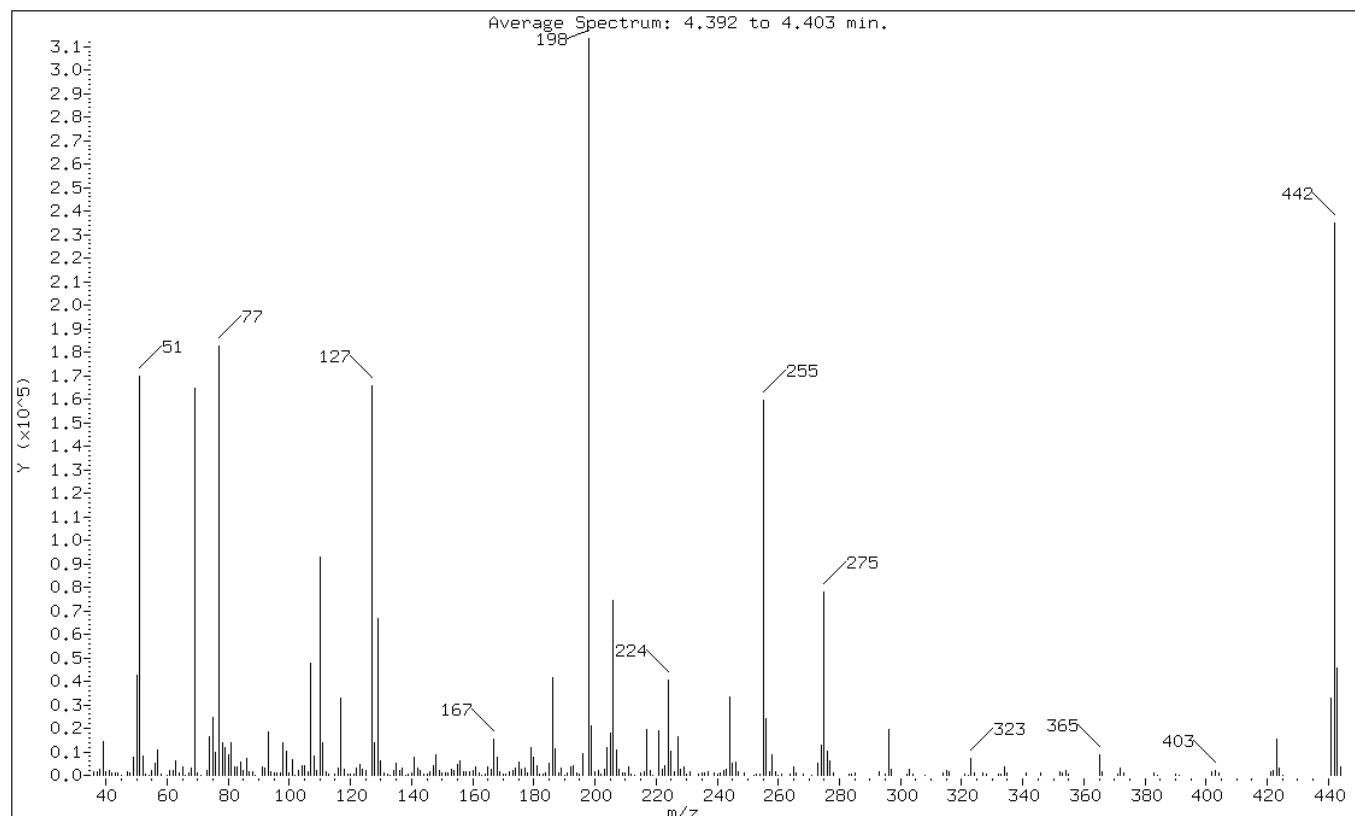
Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	54.13
68	Less than 2.00% of mass 69	1.01 ( 1.93)
69	Mass 69 relative abundance	52.53
70	Less than 2.00% of mass 69	0.35 ( 0.67)
127	40.00 - 60.00% of mass 198	52.94
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.76
275	10.00 - 30.00% of mass 198	24.80
365	Greater than 1.00% of mass 198	2.76
441	0.01 - 100.00% of mass 443	10.52 ( 72.53)
442	40.00 - 110.00% of mass 198	74.98
443	17.00 - 23.00% of mass 442	14.51 ( 19.35)

Data File: x29150.d

Date: 11-AUG-2012 11:49

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS5.i/8270/08-11-12/11aug12.b/x29150.d

Spectrum: Average Spectrum: 4.392 to 4.403 min.

Location of Maximum: 198.00

Number of points: 273

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1318	109.00	2137	180.00	7516	258.00	8642
37.00	1410	110.00	92776	181.00	4196	259.00	1555
38.00	2439	111.00	13927	182.00	518	260.00	174
39.00	14585	112.00	1755	183.00	278	261.00	392
40.00	1777	113.00	404	184.00	939	264.00	609
41.00	2078	115.00	434	185.00	5379	265.00	3530
42.00	796	116.00	2928	186.00	41640	266.00	1034
43.00	830	117.00	32744	187.00	11099	268.00	549
44.00	952	118.00	2642	188.00	1139	271.00	246
45.00	191	119.00	298	189.00	2852	273.00	4992
47.00	1511	120.00	657	190.00	194	274.00	12861
48.00	830	121.00	390	191.00	1055	275.00	77728
49.00	7698	122.00	2970	192.00	3487	276.00	10112
50.00	42688	123.00	4819	193.00	4085	277.00	5945
51.00	169664	124.00	2350	194.00	982	278.00	1048
52.00	8204	125.00	2005	195.00	477	283.00	650
53.00	641	127.00	165888	196.00	9110	284.00	456
54.00	170	128.00	13827	198.00	313408	285.00	1105
55.00	2229	129.00	66664	199.00	21184	293.00	1519
56.00	5207	130.00	5944	200.00	1722	295.00	521
57.00	10997	131.00	1256	201.00	1914	296.00	19576
58.00	573	132.00	594	202.00	617	297.00	2817
60.00	215	133.00	253	203.00	2496	302.00	376
61.00	1963	134.00	2108	204.00	11608	303.00	2429
62.00	2246	135.00	5247	205.00	18000	304.00	399
63.00	6392	136.00	2298	206.00	74536	308.00	177
64.00	794	137.00	2870	207.00	10518	314.00	1122
65.00	3747	138.00	181	208.00	2443	315.00	1986
66.00	179	139.00	271	209.00	1125	316.00	1312
67.00	1098	140.00	1042	210.00	1114	321.00	704
68.00	3171	141.00	7673	211.00	3412	322.00	185
69.00	164608	142.00	2950	212.00	273	323.00	6981
70.00	1100	143.00	2106	213.00	221	324.00	1280
71.00	193	144.00	587	215.00	1154	327.00	1183
73.00	1863	145.00	583	216.00	1666	328.00	716
74.00	16440	146.00	1323	217.00	19320	332.00	462
75.00	24808	147.00	4019	218.00	2308	333.00	564
76.00	9634	148.00	8630	219.00	189	334.00	3803
77.00	182464	149.00	2102	221.00	19128	335.00	793
78.00	13692	150.00	772	222.00	2622	341.00	953

79.00	12049	151.00	878	223.00	3984	346.00	1108
80.00	8871	152.00	841	224.00	40496	352.00	1767
81.00	13595	153.00	2497	225.00	10400	353.00	1267
82.00	3349	154.00	2127	226.00	1375	354.00	2138
83.00	3537	155.00	4507	227.00	16234	355.00	478
84.00	5818	156.00	6109	228.00	2439	365.00	8662
85.00	2138	157.00	1568	229.00	3588	366.00	1424
86.00	7150	158.00	1317	230.00	472	371.00	733
87.00	1702	159.00	1301	231.00	1729	372.00	3253
88.00	1373	160.00	2085	234.00	711	373.00	928
89.00	196	161.00	3727	235.00	1138	383.00	771
91.00	3510	162.00	790	236.00	812	384.00	197
92.00	2885	163.00	177	237.00	1498	390.00	465
93.00	18520	164.00	538	239.00	877	391.00	244
94.00	1408	165.00	3473	240.00	283	402.00	1527
95.00	1141	166.00	2771	241.00	849	403.00	2219
96.00	1104	167.00	15426	242.00	2105	404.00	850
97.00	817	168.00	7793	243.00	2752	421.00	1613
98.00	13804	169.00	1510	244.00	33320	422.00	1895
99.00	10232	170.00	431	245.00	5002	423.00	15147
100.00	1107	171.00	736	246.00	5810	424.00	2907
101.00	6581	172.00	1422	247.00	1334	425.00	202
102.00	183	173.00	1974	249.00	1112	441.00	32984
103.00	2287	174.00	2913	252.00	198	442.00	235008
104.00	4083	175.00	5726	253.00	619	443.00	45480
105.00	3978	176.00	2310	254.00	506	444.00	3568
106.00	1386	177.00	2947	255.00	159360		
107.00	47792	178.00	852	256.00	24344		
108.00	8139	179.00	11868	257.00	1585		

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29278.d  
Report Date: 14-Aug-2012 14:09

TestAmerica

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29278.d  
Lab Smp Id: DFTPP-1653831  
Inj Date : 14-AUG-2012 14:05  
Operator : BNA2 Inst ID: BNAMS5.i  
Smp Info : DFTPP-1653831  
Misc Info : 25 ppm bna 4687  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/BNADFTPP.m  
Meth Date : 11-Aug-2012 08:40 rusin Quant Type: ESTD  
Cal Date : Cal File:  
Als bottle: 1 QC Sample: DFTPP  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50 Sample Matrix: None

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====

1 dftpp				CAS #:			
4.716	4.403	0.313	198	56914	0.00-	100.00	95.29
4.716	4.403	0.313	51	23759	30.00-	60.00	41.75
4.716	4.403	0.313	68	297	0.00-	2.00	1.20
4.716	4.403	0.313	69	24729	0.00-	0.00	43.45
4.716	4.403	0.313	70	196	0.00-	2.00	0.79
4.716	4.403	0.313	127	27733	40.00-	60.00	48.73
4.716	4.403	0.313	197	0	0.00-	1.00	0.00
4.716	4.403	0.313	199	3857	5.00-	9.00	6.78
4.716	4.403	0.313	275	16183	10.00-	30.00	28.43
4.716	4.403	0.313	365	2078	1.00-	0.00	3.65
4.716	4.403	0.313	441	8855	0.01-	100.00	76.32
4.716	4.403	0.313	442	59728	40.00-	110.00	104.94
4.716	4.403	0.313	443	11603	17.00-	23.00	19.43

Data File: x29278.d

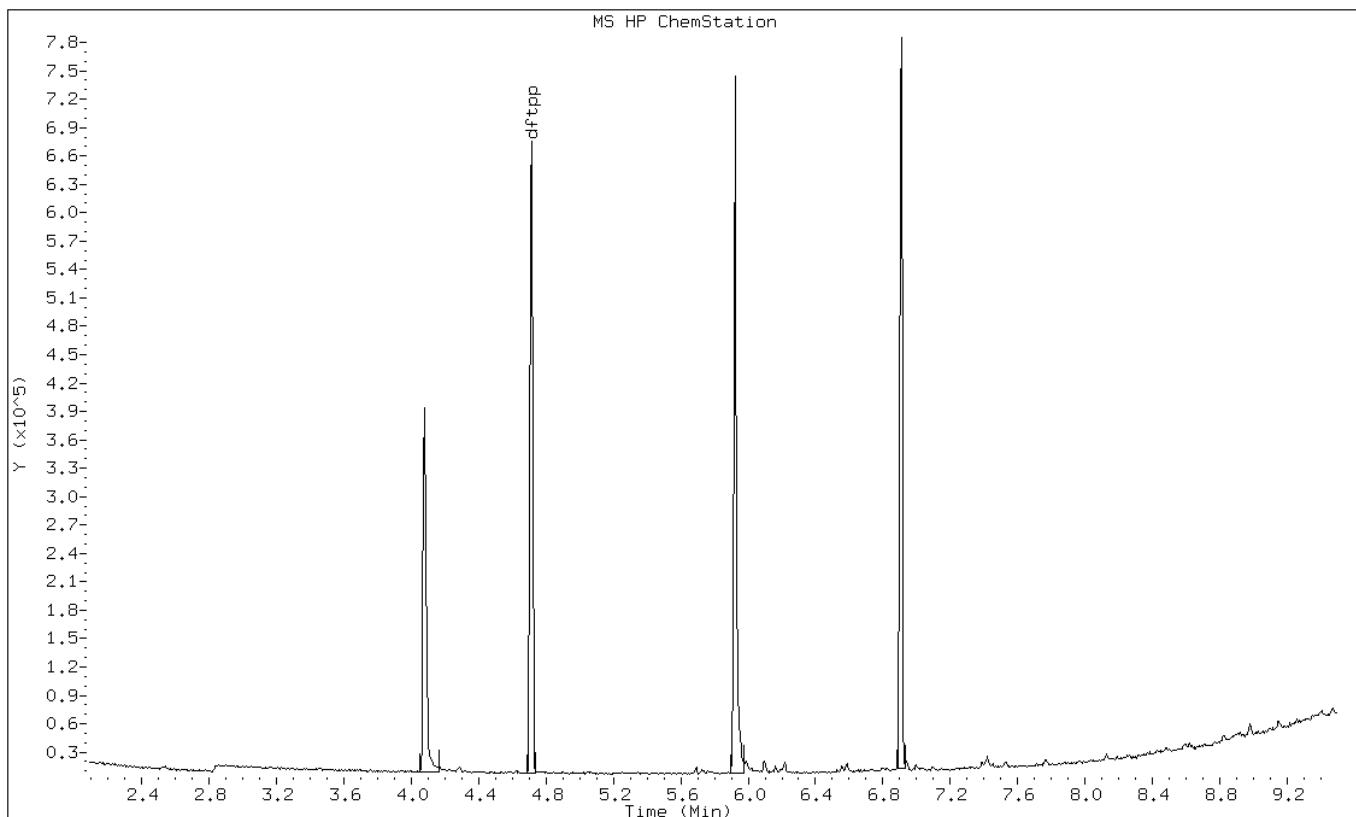
Date: 14-AUG-2012 14:05

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2



Data File: x29278.d

Date: 14-AUG-2012 14:05

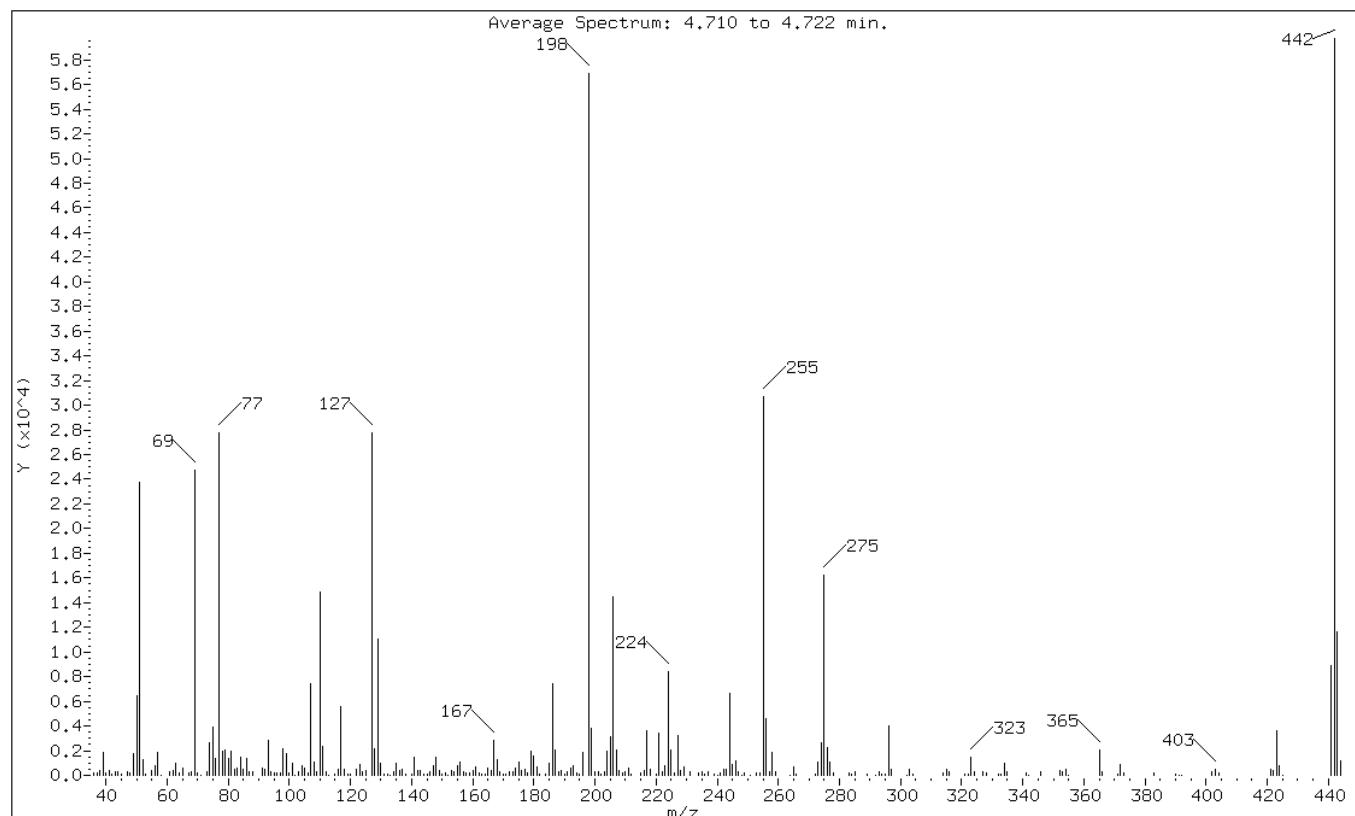
Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.75
68	Less than 2.00% of mass 69	0.52 ( 1.20)
69	Mass 69 relative abundance	43.45
70	Less than 2.00% of mass 69	0.34 ( 0.79)
127	40.00 - 60.00% of mass 198	48.73
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	28.43
365	Greater than 1.00% of mass 198	3.65
441	0.01 - 100.00% of mass 443	15.56 ( 76.32)
442	40.00 - 110.00% of mass 198	104.94
443	17.00 - 23.00% of mass 442	20.39 ( 19.43)

Data File: x29278.d

Date: 14-AUG-2012 14:05

Client ID:

Instrument: BNAMS5.i

Sample Info: DFTPP-1653831

Operator: BNA2

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29278.d

Spectrum: Average Spectrum: 4.710 to 4.722 min.

Location of Maximum: 442.00

Number of points: 265

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	179	111.00	2338	182.00	101	264.00	33
37.00	235	112.00	313	184.00	129	265.00	727
38.00	434	113.00	35	185.00	1015	266.00	134
39.00	1905	115.00	83	186.00	7410	272.00	76
40.00	210	116.00	497	187.00	2074	273.00	1036
41.00	438	117.00	5576	188.00	260	274.00	2666
42.00	82	118.00	445	189.00	431	275.00	16183
43.00	290	119.00	104	190.00	50	276.00	2252
44.00	257	120.00	108	191.00	250	277.00	1115
45.00	128	122.00	534	192.00	541	278.00	193
47.00	340	123.00	838	193.00	752	283.00	152
48.00	181	124.00	307	194.00	157	284.00	83
49.00	1760	125.00	410	195.00	79	285.00	249
50.00	6413	127.00	27728	196.00	1821	289.00	75
51.00	23752	128.00	2179	198.00	56912	292.00	40
52.00	1277	129.00	11021	199.00	3857	293.00	304
53.00	91	130.00	999	200.00	329	294.00	74
55.00	393	131.00	138	201.00	247	295.00	99
56.00	747	132.00	95	202.00	76	296.00	4024
57.00	1844	133.00	46	203.00	279	297.00	497
58.00	42	134.00	341	204.00	1948	302.00	34
61.00	332	135.00	990	205.00	3133	303.00	503
62.00	382	136.00	392	206.00	14468	304.00	109
63.00	946	137.00	531	207.00	2059	314.00	214
64.00	159	138.00	88	208.00	434	315.00	533
65.00	596	140.00	135	209.00	212	316.00	294
67.00	158	141.00	1447	210.00	267	321.00	124
68.00	297	142.00	401	211.00	562	322.00	86
69.00	24728	143.00	421	212.00	50	323.00	1456
70.00	196	144.00	82	215.00	176	324.00	261
71.00	42	145.00	96	216.00	357	327.00	284
73.00	310	146.00	246	217.00	3641	328.00	159
74.00	2613	147.00	820	218.00	516	332.00	107
75.00	3955	148.00	1498	220.00	57	333.00	113
76.00	1363	149.00	357	221.00	3409	334.00	1003
77.00	27752	150.00	120	222.00	265	335.00	327
78.00	1965	151.00	226	223.00	760	341.00	148
79.00	2012	152.00	40	224.00	8373	342.00	42
80.00	1330	153.00	432	225.00	2045	346.00	289
81.00	2002	154.00	335	226.00	235	352.00	386

82.00	517	155.00	801	227.00	3191	353.00	307
83.00	577	156.00	1074	228.00	426	354.00	494
84.00	1435	157.00	301	229.00	675	355.00	48
85.00	492	158.00	218	231.00	278	365.00	2078
86.00	1343	159.00	184	234.00	222	366.00	329
87.00	251	160.00	379	235.00	318	371.00	107
88.00	267	161.00	695	236.00	139	372.00	843
91.00	551	162.00	163	237.00	286	373.00	241
92.00	508	163.00	50	239.00	91	383.00	189
93.00	2823	164.00	81	240.00	38	390.00	115
94.00	251	165.00	622	241.00	165	391.00	37
95.00	165	166.00	394	242.00	498	392.00	37
96.00	203	167.00	2862	243.00	529	402.00	296
97.00	155	168.00	1318	244.00	6640	403.00	525
98.00	2182	169.00	322	245.00	841	404.00	229
99.00	1754	170.00	88	246.00	1154	421.00	475
100.00	156	171.00	141	247.00	304	422.00	432
101.00	983	172.00	282	248.00	37	423.00	3637
102.00	37	173.00	290	249.00	222	424.00	737
103.00	338	174.00	595	251.00	39	425.00	39
104.00	809	175.00	1123	253.00	165	441.00	8855
105.00	612	176.00	408	254.00	155	442.00	59728
106.00	206	177.00	524	255.00	30712	443.00	11603
107.00	7440	178.00	194	256.00	4608	444.00	1163
108.00	1088	179.00	1946	257.00	316		
109.00	286	180.00	1548	258.00	1829		
110.00	14867	181.00	671	259.00	263		

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_

Lab Sample ID: MB 460-123287/1-A

Matrix: Water

Lab File ID: x29281.d

Analysis Method: 8270C

Date Collected: \_\_\_\_\_

Extract. Method: 3510C

Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL)

Date Analyzed: 08/14/2012 15:13

Con. Extract Vol.: 2 (mL)

Dilution Factor: 1

Injection Volume: 1 (uL)

Level: (low/med) Low

% Moisture: \_\_\_\_\_

GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	0.81	U	10	0.81
95-57-8	2-Chlorophenol	2.2	U	10	2.2
95-48-7	2-Methylphenol	1.8	U	10	1.8
106-44-5	4-Methylphenol	1.6	U	10	1.6
100-52-7	Benzaldehyde	2.0	U	10	2.0
98-86-2	Acetophenone	2.7	U	10	2.7
111-44-4	Bis(2-chloroethyl)ether	0.28	U	1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	2.0	U	10	2.0
621-64-7	N-Nitrosodi-n-propylamine	0.25	U	1.0	0.25
98-95-3	Nitrobenzene	0.30	U	1.0	0.30
67-72-1	Hexachloroethane	0.25	U	1.0	0.25
78-59-1	Isophorone	2.7	U	10	2.7
88-75-5	2-Nitrophenol	2.4	U	10	2.4
105-67-9	2,4-Dimethylphenol	3.4	U	10	3.4
120-83-2	2,4-Dichlorophenol	2.6	U	10	2.6
111-91-1	Bis(2-chloroethoxy)methane	2.6	U	10	2.6
91-20-3	Naphthalene	2.7	U	10	2.7
106-47-8	4-Chloroaniline	2.0	U	10	2.0
87-68-3	Hexachlorobutadiene	0.57	U	2.0	0.57
105-60-2	Caprolactam	2.5	U	10	2.5
59-50-7	4-Chloro-3-methylphenol	2.5	U	10	2.5
91-57-6	2-Methylnaphthalene	3.0	U	10	3.0
118-74-1	Hexachlorobenzene	0.29	U	1.0	0.29
77-47-4	Hexachlorocyclopentadiene	1.7	U	10	1.7
88-06-2	2,4,6-Trichlorophenol	2.4	U	10	2.4
95-95-4	2,4,5-Trichlorophenol	2.6	U	10	2.6
92-52-4	Diphenyl	2.8	U	10	2.8
91-58-7	2-Chloronaphthalene	2.7	U	10	2.7
88-74-4	2-Nitroaniline	4.9	U	20	4.9
606-20-2	2,6-Dinitrotoluene	0.61	U	2.0	0.61
131-11-3	Dimethyl phthalate	2.8	U	10	2.8
208-96-8	Acenaphthylene	2.7	U	10	2.7
99-09-2	3-Nitroaniline	5.0	U	20	5.0
83-32-9	Acenaphthene	2.7	U	10	2.7

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_

Lab Sample ID: MB 460-123287/1-A

Matrix: Water

Lab File ID: x29281.d

Analysis Method: 8270C

Date Collected: \_\_\_\_\_

Extract. Method: 3510C

Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL)

Date Analyzed: 08/14/2012 15:13

Con. Extract Vol.: 2 (mL)

Dilution Factor: 1

Injection Volume: 1 (uL)

Level: (low/med) Low

% Moisture: \_\_\_\_\_

GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	6.7	U	30	6.7
51-28-5	2,4-Dinitrophenol	5.4	U	30	5.4
132-64-9	Dibenzofuran	2.8	U	10	2.8
84-66-2	Diethyl phthalate	2.9	U	10	2.9
86-73-7	Fluorene	2.8	U	10	2.8
206-44-0	Fluoranthene	3.2	U	10	3.2
84-74-2	Di-n-butyl phthalate	2.9	U	10	2.9
121-14-2	2,4-Dinitrotoluene	0.47	U	2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	2.5	U	10	2.5
100-01-6	4-Nitroaniline	5.8	U	20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	4.7	U	30	4.7
101-55-3	4-Bromophenyl phenyl ether	2.5	U	10	2.5
1912-24-9	Atrazine	3.0	U	10	3.0
120-12-7	Anthracene	2.8	U	10	2.8
86-74-8	Carbazole	3.2	U	10	3.2
85-01-8	Phenanthrene	3.1	U	10	3.1
87-86-5	Pentachlorophenol	5.3	U	30	5.3
129-00-0	Pyrene	2.9	U	10	2.9
218-01-9	Chrysene	3.1	U	10	3.1
207-08-9	Benzo[k]fluoranthene	0.26	U	1.0	0.26
191-24-2	Benzo[g,h,i]perylene	2.0	U	10	2.0
205-99-2	Benzo[b]fluoranthene	0.26	U	1.0	0.26
50-32-8	Benzo[a]pyrene	0.14	U	1.0	0.14
56-55-3	Benzo[a]anthracene	0.27	U	1.0	0.27
86-30-6	N-Nitrosodiphenylamine	2.9	U	10	2.9
85-68-7	Butyl benzyl phthalate	2.5	U	10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	10	2.0
117-84-0	Di-n-octyl phthalate	1.5	U	10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	0.15	U	1.0	0.15
53-70-3	Dibenz(a,h)anthracene	0.090	U	1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	4.9	U	20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	2.6	U	10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	2.5	U	10	2.5

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123287/1-A  
Matrix: Water Lab File ID: x29281.d  
Analysis Method: 8270C Date Collected: \_\_\_\_\_  
Extract. Method: 3510C Date Extracted: 08/09/2012 13:03  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 15:13  
Con. Extract Vol.: 2 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) Level: (low/med) Low  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124292 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	96		56-112
4165-62-2	Phenol-d5	31		10-48
1718-51-0	Terphenyl-d14	108		50-122
118-79-6	2,4,6-Tribromophenol	105		46-122
367-12-4	2-Fluorophenol	50		10-65
321-60-8	2-Fluorobiphenyl	93		53-108

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29281.d  
Report Date: 15-Aug-2012 09:22

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29281.d  
Lab Smp Id: MB 460-123287/1-A  
Inj Date : 14-AUG-2012 15:13  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : MB 460-123287/1-A  
Misc Info : MB 460-123287/1-A  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/8270C\_11.m  
Meth Date : 14-Aug-2012 14:36 croccom Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 4 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-h20.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
\$ 16 2-Fluorophenol (SUR)	112	2.270	2.276	(0.650)	509689	25.0167	50
\$ 17 Phenol-d5 (SUR)	99	3.164	3.188	(0.906)	377301	15.4439	31
* 79 1,4-Dichlorobenzene-d4	152	3.494	3.499	(1.000)	624990	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	4.076	4.082	(0.850)	1107897	48.2104	96
* 80 Naphthalene-d8	136	4.794	4.799	(1.000)	2189599	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	5.894	5.899	(0.901)	1894647	46.7430	93
* 82 Acenaphthene-d10	164	6.541	6.540	(1.000)	1102527	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.311	7.317	(1.118)	301088	52.4783	100
* 83 Phenanthrene-d10	188	7.982	7.981	(1.000)	1450290	40.0000	
\$ 78 Terphenyl-d14	244	9.552	9.552	(0.904)	1227249	54.2010	110
* 81 Chrysene-d12	240	10.570	10.570	(1.000)	729165	40.0000	
* 84 Perylene-d12	264	12.234	12.234	(1.000)	518010	40.0000	

Data File: x29281.d

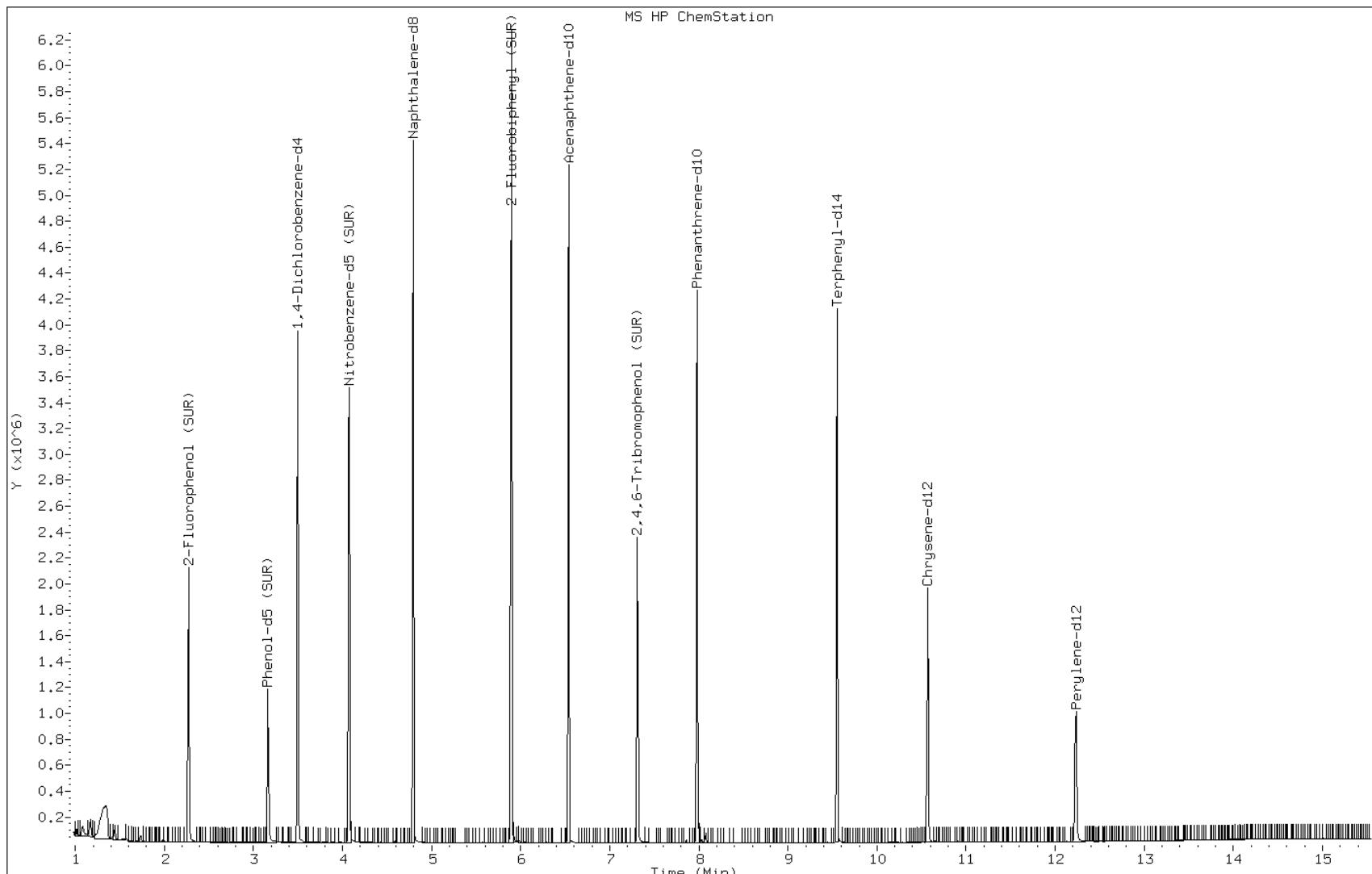
Date: 14-AUG-2012 15:13

Client ID:

Instrument: BNAMS5.i

Sample Info: MB 460-123287/1-A

Operator: BNAMS 4



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123428/1-A

Matrix: Solid Lab File ID: z11879.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.00(g) Date Analyzed: 08/15/2012 02:56

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	44	U	330	44
95-57-8	2-Chlorophenol	44	U	330	44
95-48-7	2-Methylphenol	56	U	330	56
106-44-5	4-Methylphenol	65	U	330	65
100-52-7	Benzaldehyde	39	U	330	39
98-86-2	Acetophenone	51	U	330	51
111-44-4	Bis(2-chloroethyl)ether	4.5	U	33	4.5
108-60-1	2,2'-oxybis[1-chloropropane]	37	U	330	37
621-64-7	N-Nitrosodi-n-propylamine	5.5	U	33	5.5
98-95-3	Nitrobenzene	4.7	U	33	4.7
67-72-1	Hexachloroethane	3.7	U	33	3.7
78-59-1	Isophorone	40	U	330	40
88-75-5	2-Nitrophenol	37	U	330	37
105-67-9	2,4-Dimethylphenol	82	U	330	82
120-83-2	2,4-Dichlorophenol	48	U	330	48
111-91-1	Bis(2-chloroethoxy)methane	43	U	330	43
91-20-3	Naphthalene	38	U	330	38
106-47-8	4-Chloroaniline	88	U	330	88
87-68-3	Hexachlorobutadiene	8.1	U	67	8.1
105-60-2	Caprolactam	76	U	330	76
59-50-7	4-Chloro-3-methylphenol	50	U	330	50
91-57-6	2-Methylnaphthalene	43	U	330	43
118-74-1	Hexachlorobenzene	4.5	U	33	4.5
77-47-4	Hexachlorocyclopentadiene	39	U	330	39
88-06-2	2,4,6-Trichlorophenol	39	U	330	39
95-95-4	2,4,5-Trichlorophenol	43	U	330	43
92-52-4	Diphenyl	44	U	330	44
91-58-7	2-Chloronaphthalene	37	U	330	37
88-74-4	2-Nitroaniline	140	U	670	140
606-20-2	2,6-Dinitrotoluene	10	U	67	10
131-11-3	Dimethyl phthalate	39	U	330	39
208-96-8	Acenaphthylene	39	U	330	39
99-09-2	3-Nitroaniline	120	U	670	120
83-32-9	Acenaphthene	48	U	330	48

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123428/1-A

Matrix: Solid Lab File ID: z11879.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.00(g) Date Analyzed: 08/15/2012 02:56

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	210	U	1000	210
51-28-5	2,4-Dinitrophenol	190	U	1000	190
132-64-9	Dibenzofuran	39	U	330	39
84-66-2	Diethyl phthalate	39	U	330	39
86-73-7	Fluorene	42	U	330	42
206-44-0	Fluoranthene	44	U	330	44
84-74-2	Di-n-butyl phthalate	41	U	330	41
121-14-2	2,4-Dinitrotoluene	11	U	67	11
7005-72-3	4-Chlorophenyl phenyl ether	39	U	330	39
100-01-6	4-Nitroaniline	100	U	670	100
534-52-1	4,6-Dinitro-2-methylphenol	90	U	1000	90
101-55-3	4-Bromophenyl phenyl ether	33	U	330	33
1912-24-9	Atrazine	51	U	330	51
120-12-7	Anthracene	40	U	330	40
86-74-8	Carbazole	39	U	330	39
85-01-8	Phenanthrene	42	U	330	42
87-86-5	Pentachlorophenol	99	U	1000	99
129-00-0	Pyrene	28	U	330	28
218-01-9	Chrysene	39	U	330	39
207-08-9	Benzo[k]fluoranthene	2.5	U	33	2.5
191-24-2	Benzo[g,h,i]perylene	25	U	330	25
205-99-2	Benzo[b]fluoranthene	2.1	U	33	2.1
50-32-8	Benzo[a]pyrene	2.3	U	33	2.3
56-55-3	Benzo[a]anthracene	2.3	U	33	2.3
86-30-6	N-Nitrosodiphenylamine	33	U	330	33
85-68-7	Butyl benzyl phthalate	30	U	330	30
117-81-7	Bis(2-ethylhexyl) phthalate	110	U	330	110
117-84-0	Di-n-octyl phthalate	21	U	330	21
193-39-5	Indeno[1,2,3-cd]pyrene	6.2	U	33	6.2
53-70-3	Dibenz(a,h)anthracene	4.2	U	33	4.2
91-94-1	3,3'-Dichlorobenzidine	120	U	670	120
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	330	45
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	330	43

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123428/1-A  
Matrix: Solid Lab File ID: z11879.d  
Analysis Method: 8270C Date Collected: \_\_\_\_\_  
Extract. Method: 3541 Date Extracted: 08/10/2012 09:24  
Sample wt/vol: 15.00(g) Date Analyzed: 08/15/2012 02:56  
Con. Extract Vol.: 1(mL) Dilution Factor: 1  
Injection Volume: 1(uL) Level: (low/med) Low  
% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N  
Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	73		38-105
4165-62-2	Phenol-d5	74		41-118
1718-51-0	Terphenyl-d14	74		16-151
118-79-6	2,4,6-Tribromophenol	64		10-120
367-12-4	2-Fluorophenol	73		37-125
321-60-8	2-Fluorobiphenyl	75		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11879.d  
Report Date: 15-Aug-2012 10:15

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11879.d  
Lab Smp Id: MB 460-123428/1-A  
Inj Date : 15-AUG-2012 02:56  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : MB 460-123428/1-A  
Misc Info :  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 5 QC Sample: BLANK  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
\$ 16 2-Fluorophenol (SUR)	112	1.168	1.121	(0.549)	624296	72.9833	4900
\$ 17 Phenol-d5 (SUR)	99	1.921	1.927	(0.903)	787950	74.3053	5000
* 79 1,4-Dichlorobenzene-d4	152	2.127	2.127	(1.000)	269553	40.0000	
\$ 76 Nitrobenzene-d5 (SUR)	82	2.686	2.703	(0.782)	352286	36.6309	2400
* 80 Naphthalene-d8	136	3.433	3.445	(1.000)	1083783	40.0000	
\$ 77 2-Fluorobiphenyl (SUR)	172	4.609	4.615	(0.884)	723632	37.3901	2500
* 82 Acenaphthene-d10	164	5.215	5.221	(1.000)	540229	40.0000	
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.986	5.992	(1.148)	149603	64.1118	4300
* 83 Phenanthrene-d10	188	6.621	6.621	(1.000)	677599	40.0000	
\$ 78 Terphenyl-d14	244	8.185	8.185	(0.899)	412942	36.8484	2400
* 81 Chrysene-d12	240	9.109	9.115	(1.000)	323647	40.0000	
* 84 Perylene-d12	264	10.368	10.374	(1.000)	246487	40.0000	

Data File: z11879.d

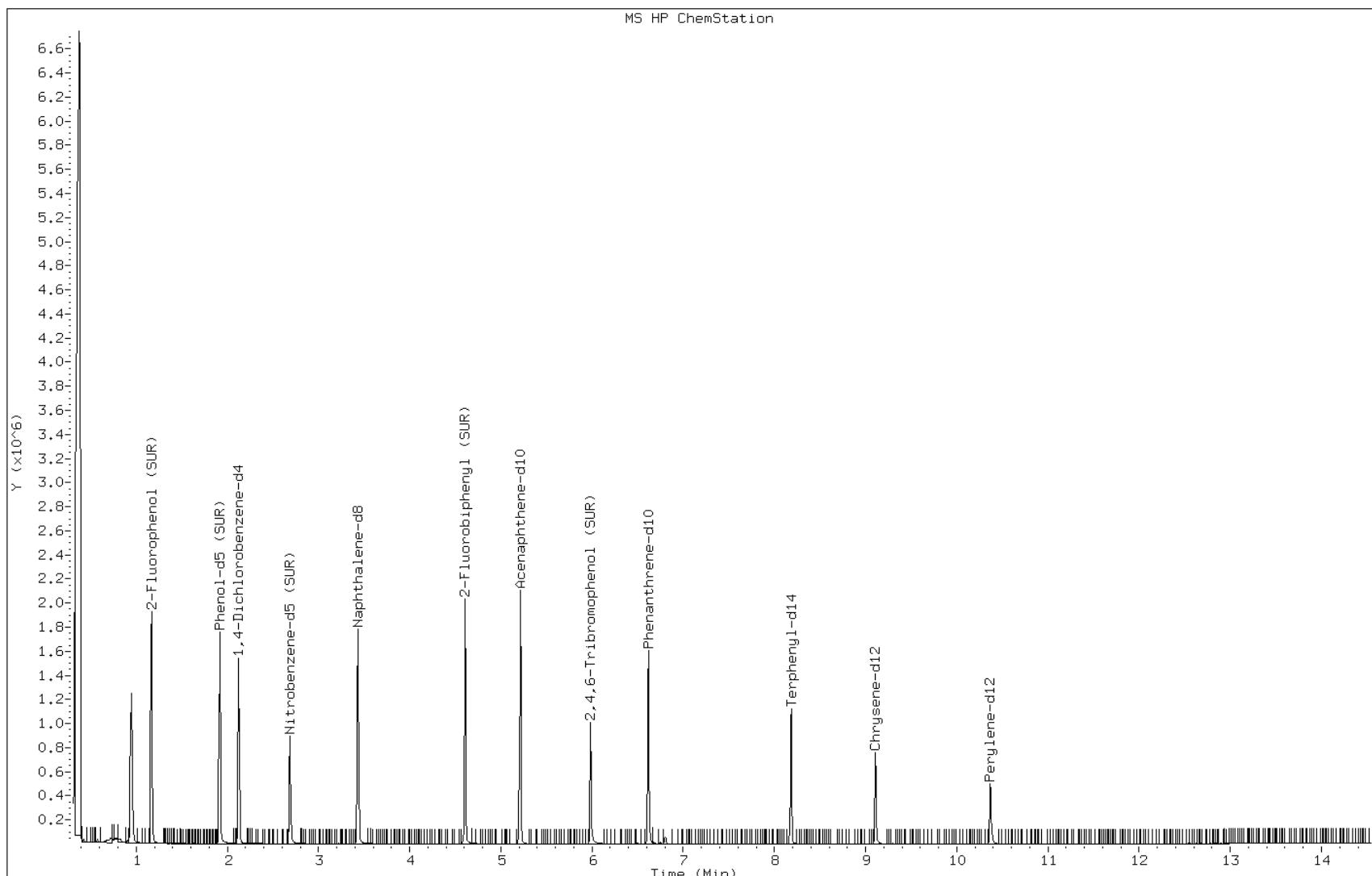
Date: 15-AUG-2012 02:56

Client ID:

Instrument: BNAMS11.i

Sample Info: MB 460-123428/1-A

Operator: BNAMS 4



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_

Lab Sample ID: LCS 460-123287/2-A

Matrix: Water

Lab File ID: x29280.d

Analysis Method: 8270C

Date Collected: \_\_\_\_\_

Extract. Method: 3510C

Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL)

Date Analyzed: 08/14/2012 14:51

Con. Extract Vol.: 2 (mL)

Dilution Factor: 1

Injection Volume: 1 (uL)

Level: (low/med) Low

% Moisture: \_\_\_\_\_

GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	33.9		10	0.81
95-57-8	2-Chlorophenol	90.5		10	2.2
95-48-7	2-Methylphenol	75.9		10	1.8
106-44-5	4-Methylphenol	71.7		10	1.6
100-52-7	Benzaldehyde	130		10	2.0
98-86-2	Acetophenone	99.6		10	2.7
111-44-4	Bis(2-chloroethyl)ether	90.0		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	93.8		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	95.8		1.0	0.25
98-95-3	Nitrobenzene	91.0		1.0	0.30
67-72-1	Hexachloroethane	93.0		1.0	0.25
78-59-1	Isophorone	89.1		10	2.7
88-75-5	2-Nitrophenol	98.1		10	2.4
105-67-9	2,4-Dimethylphenol	80.9		10	3.4
120-83-2	2,4-Dichlorophenol	99.4		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	96.0		10	2.6
91-20-3	Naphthalene	94.2		10	2.7
106-47-8	4-Chloroaniline	85.7		10	2.0
87-68-3	Hexachlorobutadiene	91.2		2.0	0.57
105-60-2	Caprolactam	19.2		10	2.5
59-50-7	4-Chloro-3-methylphenol	96.6		10	2.5
91-57-6	2-Methylnaphthalene	92.4		10	3.0
118-74-1	Hexachlorobenzene	102		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	69.4		10	1.7
88-06-2	2,4,6-Trichlorophenol	102		10	2.4
95-95-4	2,4,5-Trichlorophenol	105		10	2.6
92-52-4	Diphenyl	95.8		10	2.8
91-58-7	2-Chloronaphthalene	92.7		10	2.7
88-74-4	2-Nitroaniline	90.0		20	4.9
606-20-2	2,6-Dinitrotoluene	98.0		2.0	0.61
131-11-3	Dimethyl phthalate	101		10	2.8
208-96-8	Acenaphthylene	95.0		10	2.7
99-09-2	3-Nitroaniline	97.5		20	5.0
83-32-9	Acenaphthene	95.0		10	2.7

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123287/2-A

Matrix: Water Lab File ID: x29280.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3510C Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 14:51

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	37.3		30	6.7
51-28-5	2,4-Dinitrophenol	70.3		30	5.4
132-64-9	Dibenzofuran	95.7		10	2.8
84-66-2	Diethyl phthalate	95.3		10	2.9
86-73-7	Fluorene	96.3		10	2.8
206-44-0	Fluoranthene	94.5		10	3.2
84-74-2	Di-n-butyl phthalate	96.6		10	2.9
121-14-2	2,4-Dinitrotoluene	95.1		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	97.4		10	2.5
100-01-6	4-Nitroaniline	99.0		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	97.8		30	4.7
101-55-3	4-Bromophenyl phenyl ether	104		10	2.5
1912-24-9	Atrazine	78.6		10	3.0
120-12-7	Anthracene	96.2		10	2.8
86-74-8	Carbazole	98.1		10	3.2
85-01-8	Phenanthrene	99.4		10	3.1
87-86-5	Pentachlorophenol	93.8		30	5.3
129-00-0	Pyrene	102		10	2.9
218-01-9	Chrysene	101		10	3.1
207-08-9	Benzo[k]fluoranthene	97.5		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	109		10	2.0
205-99-2	Benzo[b]fluoranthene	93.7		1.0	0.26
50-32-8	Benzo[a]pyrene	98.8		1.0	0.14
56-55-3	Benzo[a]anthracene	93.9		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	107		10	2.9
85-68-7	Butyl benzyl phthalate	99.8		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	102		10	2.0
117-84-0	Di-n-octyl phthalate	99.7		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	101		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	109		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	105		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	95.2		10	2.5

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123287/2-A  
 Matrix: Water Lab File ID: x29280.d  
 Analysis Method: 8270C Date Collected: \_\_\_\_\_  
 Extract. Method: 3510C Date Extracted: 08/09/2012 13:03  
 Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 14:51  
 Con. Extract Vol.: 2 (mL) Dilution Factor: 1  
 Injection Volume: 1 (uL) Level: (low/med) Low  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 124292 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	92		56-112
4165-62-2	Phenol-d5	30		10-48
1718-51-0	Terphenyl-d14	98		50-122
118-79-6	2,4,6-Tribromophenol	103		46-122
367-12-4	2-Fluorophenol	48		10-65
321-60-8	2-Fluorobiphenyl	91		53-108

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29280.d  
Report Date: 15-Aug-2012 09:20

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29280.d  
Lab Smp Id: LCS 460-123287/2-A  
Inj Date : 14-AUG-2012 14:51  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : LCS 460-123287/2-A  
Misc Info : LCS 460-123287/2-A  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/8270C\_11.m  
Meth Date : 14-Aug-2012 14:36 croccom Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 3 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-h20.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
106 1,4-Dioxane	88	1.070	1.052 (0.306)	224262	22.9586	46	
19 N-Nitrosodimethylamine	74	1.258	1.252 (0.360)	339955	25.4102	51	
71 Pyridine	79	1.282	1.270 (0.366)	403797	17.1862	34	
\$ 16 2-Fluorophenol (SUR)	112	2.276	2.276 (0.650)	527546	24.2291	48	
110 Benzaldehyde	77	3.052	3.052 (0.872)	793910	65.0153	130	
\$ 17 Phenol-d5 (SUR)	99	3.176	3.188 (0.908)	386874	14.8181	30	
1 Phenol	94	3.188	3.199 (0.911)	489402	16.9392	34	
73 Aniline	93	3.170	3.170 (0.906)	849766	25.9420	52	
20 bis(2-Chloroethyl)ether	93	3.246	3.252 (0.928)	1054743	45.0008	90	
2 2-Chlorophenol	128	3.293	3.299 (0.941)	1086375	45.2510	90	
113 n-decane	43	3.364	3.364 (0.961)	926553	40.9348	82	
21 1,3-Dichlorobenzene	146	3.441	3.446 (0.983)	1273394	45.2245	90	
* 79 1,4-Dichlorobenzene-d4	152	3.499	3.499 (1.000)	667914	40.0000		
22 1,4-Dichlorobenzene	146	3.517	3.517 (1.005)	1255206	45.3515	91	
74 Benzyl Alcohol	108	3.670	3.676 (1.049)	520500	42.4389	85	

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29280.d  
 Report Date: 15-Aug-2012 09:20

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
23 1,2-Dichlorobenzene	146	3.670	3.670	(1.049)	1162714	45.5418	91
3 2-Methylphenol	108	3.811	3.817	(1.089)	739076	37.9329	76
24 bis (2-chloroisopropyl) ether	45	3.805	3.805	(1.087)	1157001	46.8805	94
4 4-Methylphenol	108	3.976	3.976	(1.136)	680030	35.8396	72
123 3 & 4 Methylphenol	108	3.976	3.976	(1.136)	686998	35.5065	71
104 Acetophenone	105	3.935	3.941	(1.124)	1419069	49.7793	100
25 N-Nitroso-di-n-propylamine	70	3.952	3.952	(1.129)	743970	47.8973	96
26 Hexachloroethane	117	4.011	4.011	(1.146)	458207	46.5080	93
\$ 76 Nitrobenzene-d5 (SUR)	82	4.082	4.082	(0.850)	1123536	45.8795	92
27 Nitrobenzene	77	4.105	4.105	(0.855)	1402015	45.4750	91
107 N,N-Dimethylaniline	120	4.111	4.111	(1.175)	1270546	40.7381	81
28 Isophorone	82	4.352	4.352	(0.907)	1696971	44.5364	89
5 2-Nitrophenol	139	4.423	4.423	(0.922)	600207	49.0739	98
6 2,4-Dimethylphenol	122	4.511	4.511	(0.940)	764869	40.4341	81
29 bis(2-Chloroethoxy)methane	93	4.593	4.593	(0.957)	1107260	48.0208	96
7 2,4-Dichlorophenol	162	4.682	4.682	(0.975)	874165	49.7143	99
30 1,2,4-Trichlorobenzene	180	4.752	4.752	(0.990)	955337	46.4668	93
* 80 Naphthalene-d8	136	4.799	4.799	(1.000)	2333318	40.0000	
31 Naphthalene	128	4.823	4.823	(1.005)	2949676	47.1163	94
32 4-Chloroaniline	127	4.899	4.899	(1.021)	955249	42.8424	86
33 Hexachlorobutadiene	225	4.964	4.964	(1.034)	562797	45.6161	91
111 Caprolactam	113	5.276	5.293	(1.099)	45475	9.57619	19
8 4-Chloro-3-methylphenol	107	5.429	5.435	(1.131)	802288	48.3115	97
34 2-Methylnaphthalene	142	5.523	5.517	(1.151)	1799485	46.2097	92
120 1-Methylnaphthalene	142	5.617	5.617	(1.170)	1704636	42.4779	85
35 Hexachlorocyclopentadiene	237	5.687	5.687	(0.869)	341941	34.6833	69
129 1,2,4,5-Tetrachlorobenzene	216	5.693	5.693	(0.870)	819273	43.3296	87
9 2,4,6-Trichlorophenol	196	5.823	5.823	(0.889)	586627	50.8541	100
10 2,4,5-Trichlorophenol	196	5.858	5.864	(0.895)	612076	52.5706	100
\$ 77 2-Fluorobiphenyl (SUR)	172	5.899	5.899	(0.901)	1904130	45.5463	91
102 Diphenyl	154	5.993	5.993	(0.916)	2032674	47.9181	96
36 2-Chloronaphthalene	162	5.999	5.999	(0.916)	1542333	46.3479	93
103 Diphenyl Ether	170	6.099	6.099	(0.932)	1201479	48.2279	96
37 2-Nitroaniline	65	6.123	6.123	(0.935)	480011	44.9977	90
38 Dimethylphthalate	163	6.323	6.317	(0.966)	1682151	50.4744	100
40 2,6-Dinitrotoluene	165	6.376	6.370	(0.974)	395058	49.0146	98
39 Acenaphthylene	152	6.399	6.405	(0.978)	2490106	47.4794	95
41 3-Nitroaniline	138	6.534	6.529	(0.998)	375998	48.7738	98
* 82 Acenaphthene-d10	164	6.546	6.540	(1.000)	1137158	40.0000	
42 Acenaphthene	154	6.576	6.576	(1.004)	1442775	47.4905	95
11 2,4-Dinitrophenol	184	6.634	6.634	(1.013)	127892	35.1452	70
12 4-Nitrophenol	65	6.740	6.740	(1.030)	101481	18.6455	37
44 2,4-Dinitrotoluene	165	6.764	6.764	(1.033)	460047	47.5564	95
43 Dibenzofuran	168	6.746	6.746	(1.031)	2109971	47.8373	96
130 2,3,4,6-Tetrachlorophenol	232	6.881	6.882	(1.051)	388243	47.6090	95
45 Diethylphthalate	149	7.011	7.011	(1.071)	1493044	47.6314	95
46 4-Chlorophenyl-phenylether	204	7.093	7.093	(1.084)	859012	48.6862	97

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29280.d  
 Report Date: 15-Aug-2012 09:20

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
47 Fluorene		166	7.081	7.082 (1.082)		1655484	48.1685
48 4-Nitroaniline		138	7.129	7.129 (1.089)		313721	49.4787
13 4,6-Dinitro-2-methylphenol		198	7.164	7.158 (0.897)		228056	48.8777
49 N-Nitrosodiphenylamine		169	7.217	7.217 (0.904)		1150944	53.7031
75 1,2-Diphenylhydrazine		77	7.252	7.246 (0.908)		1518993	43.3884
\$ 18 2,4,6-Tribromophenol (SUR)		330	7.317	7.317 (1.118)		304892	51.5229
50 4-Bromophenyl-phenylether		248	7.570	7.564 (0.948)		496211	51.8923
51 Hexachlorobenzene		284	7.623	7.617 (0.954)		553328	51.0454
112 Atrazine		200	7.758	7.758 (0.971)		271112	39.2798
14 Pentachlorophenol		266	7.823	7.823 (0.979)		245720	46.9117
115 n-Octadecane		57	7.946	7.946 (0.995)		904523	48.3987
* 83 Phenanthrene-d10		188	7.987	7.981 (1.000)		1381496	40.0000
52 Phenanthrene		178	8.011	8.005 (1.003)		1928024	49.6914
53 Anthracene		178	8.058	8.058 (1.009)		1858119	48.1079
54 Carbazole		167	8.228	8.229 (1.030)		1514573	49.0435
55 Di-n-butylphthalate		149	8.599	8.599 (1.077)		1827671	48.2905
56 Fluoranthene		202	9.158	9.158 (1.147)		1577187	47.2651
58 Benzidine		184	9.311	9.317 (1.166)		24328	4.84547
57 Pyrene		202	9.375	9.370 (0.887)		1540634	50.7592
\$ 78 Terphenyl-d14		244	9.552	9.552 (0.903)		1117315	48.8265
59 Butylbenzylphthalate		149	10.046	10.046 (0.950)		551527	49.9223
60 3,3'-Dichlorobenzidine		252	10.558	10.558 (0.998)		326285	52.6595
61 Benzo(a)anthracene		228	10.564	10.564 (0.999)		1062816	46.9730
* 81 Chrysene-d12		240	10.575	10.570 (1.000)		736920	40.0000
63 bis(2-Ethylhexyl)phthalate		149	10.658	10.658 (1.008)		732487	50.7937
62 Chrysene		228	10.599	10.599 (1.002)		1033603	50.5084
64 Di-n-octylphthalate		149	11.393	11.393 (0.931)		1022377	49.8606
65 Benzo(b)fluoranthene		252	11.781	11.775 (0.962)		813136	46.8350
66 Benzo(k)fluoranthene		252	11.811	11.811 (0.965)		921779	48.7320
67 Benzo(a)pyrene		252	12.164	12.164 (0.994)		686690	49.3869
* 84 Perylene-d12		264	12.240	12.234 (1.000)		580209	40.0000
68 Indeno(1,2,3-cd)pyrene		276	13.558	13.558 (1.108)		683629	50.2518
69 Dibenz(a,h)anthracene		278	13.593	13.587 (1.111)		722694	54.6698
70 Benzo(g,h,i)perylene		276	13.881	13.875 (1.134)		737781	54.4241

#### QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Data File: x29280.d

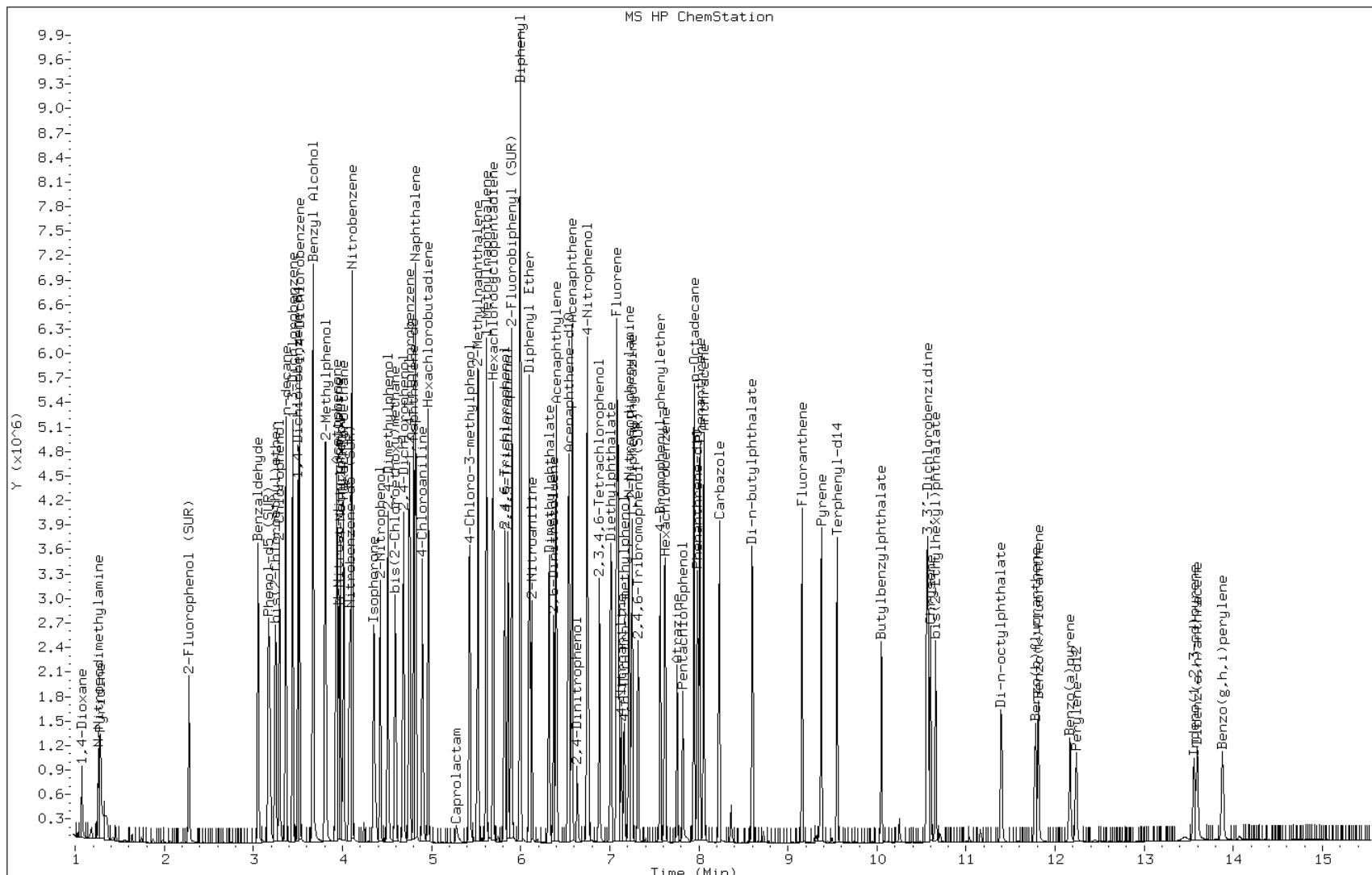
Date: 14-AUG-2012 14:51

Client ID:

Instrument: BNAMS5.i

Sample Info: LCS 460-123287/2-A

Operator: BNAMS 4



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123428/2-A

Matrix: Solid Lab File ID: z11899.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.00(g) Date Analyzed: 08/15/2012 09:50

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	4630		330	44
95-57-8	2-Chlorophenol	4710		330	44
95-48-7	2-Methylphenol	4940		330	56
106-44-5	4-Methylphenol	5050		330	65
100-52-7	Benzaldehyde	1340		330	39
98-86-2	Acetophenone	2430		330	51
111-44-4	Bis(2-chloroethyl)ether	2760		33	4.5
108-60-1	2,2'-oxybis[1-chloropropane]	2310		330	37
621-64-7	N-Nitrosodi-n-propylamine	2450		33	5.5
98-95-3	Nitrobenzene	2570		33	4.7
67-72-1	Hexachloroethane	2510		33	3.7
78-59-1	Isophorone	2290		330	40
88-75-5	2-Nitrophenol	5360		330	37
105-67-9	2,4-Dimethylphenol	5250		330	82
120-83-2	2,4-Dichlorophenol	5140		330	48
111-91-1	Bis(2-chloroethoxy)methane	2710		330	43
91-20-3	Naphthalene	2600		330	38
106-47-8	4-Chloroaniline	1620		330	88
87-68-3	Hexachlorobutadiene	2590		67	8.1
105-60-2	Caprolactam	2170		330	76
59-50-7	4-Chloro-3-methylphenol	5160		330	50
91-57-6	2-Methylnaphthalene	2750		330	43
118-74-1	Hexachlorobenzene	2810		33	4.5
77-47-4	Hexachlorocyclopentadiene	2430		330	39
88-06-2	2,4,6-Trichlorophenol	5100		330	39
95-95-4	2,4,5-Trichlorophenol	5190		330	43
92-52-4	Diphenyl	2850		330	44
91-58-7	2-Chloronaphthalene	2790		330	37
88-74-4	2-Nitroaniline	2560		670	140
606-20-2	2,6-Dinitrotoluene	2790		67	10
131-11-3	Dimethyl phthalate	2840		330	39
208-96-8	Acenaphthylene	2620		330	39
99-09-2	3-Nitroaniline	2040		670	120
83-32-9	Acenaphthene	2780		330	48

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123428/2-A

Matrix: Solid Lab File ID: z11899.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.00(g) Date Analyzed: 08/15/2012 09:50

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	3240		1000	210
51-28-5	2,4-Dinitrophenol	1900		1000	190
132-64-9	Dibenzofuran	2720		330	39
84-66-2	Diethyl phthalate	2940		330	39
86-73-7	Fluorene	2750		330	42
206-44-0	Fluoranthene	2830		330	44
84-74-2	Di-n-butyl phthalate	2950		330	41
121-14-2	2,4-Dinitrotoluene	2890		67	11
7005-72-3	4-Chlorophenyl phenyl ether	2830		330	39
100-01-6	4-Nitroaniline	2680		670	100
534-52-1	4,6-Dinitro-2-methylphenol	3220		1000	90
101-55-3	4-Bromophenyl phenyl ether	2920		330	33
1912-24-9	Atrazine	3120		330	51
120-12-7	Anthracene	2740		330	40
86-74-8	Carbazole	2880		330	39
85-01-8	Phenanthrene	2810		330	42
87-86-5	Pentachlorophenol	5040		1000	99
129-00-0	Pyrene	2350		330	28
218-01-9	Chrysene	2760		330	39
207-08-9	Benzo[k]fluoranthene	2630		33	2.5
191-24-2	Benzo[g,h,i]perylene	3520		330	25
205-99-2	Benzo[b]fluoranthene	2550		33	2.1
50-32-8	Benzo[a]pyrene	2860		33	2.3
56-55-3	Benzo[a]anthracene	2890		33	2.3
86-30-6	N-Nitrosodiphenylamine	2940		330	33
85-68-7	Butyl benzyl phthalate	2790		330	30
117-81-7	Bis(2-ethylhexyl) phthalate	2810		330	110
117-84-0	Di-n-octyl phthalate	2310		330	21
193-39-5	Indeno[1,2,3-cd]pyrene	3570		33	6.2
53-70-3	Dibenz(a,h)anthracene	3460		33	4.2
91-94-1	3,3'-Dichlorobenzidine	2990		670	120
95-94-3	1,2,4,5-Tetrachlorobenzene	2540		330	45
58-90-2	2,3,4,6-Tetrachlorophenol	2600		330	43

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123428/2-A  
Matrix: Solid Lab File ID: z11899.d  
Analysis Method: 8270C Date Collected: \_\_\_\_\_  
Extract. Method: 3541 Date Extracted: 08/10/2012 09:24  
Sample wt/vol: 15.00(g) Date Analyzed: 08/15/2012 09:50  
Con. Extract Vol.: 1(mL) Dilution Factor: 1  
Injection Volume: 1(uL) Level: (low/med) Low  
% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N  
Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	63		38-105
4165-62-2	Phenol-d5	61		41-118
1718-51-0	Terphenyl-d14	62		16-151
118-79-6	2,4,6-Tribromophenol	67		10-120
367-12-4	2-Fluorophenol	63		37-125
321-60-8	2-Fluorobiphenyl	68		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11899.d  
Report Date: 15-Aug-2012 10:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11899.d  
Lab Smp Id: LCS 460-123428/2-A  
Inj Date : 15-AUG-2012 09:50  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : LCS 460-123428/2-A  
Misc Info :  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 25 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
106 1,4-Dioxane	88	0.427	0.380	(0.200)		24924	15.2357	1000(H)
19 N-Nitrosodimethylamine	74	0.492	0.439	(0.231)		132179	29.0412	1900
71 Pyridine	79	0.492	0.445	(0.231)		182479	22.5743	1500
\$ 16 2-Fluorophenol (SUR)	112	1.162	1.121	(0.545)		563106	62.9452	4200
110 Benzaldehyde	77	1.750	1.739	(0.821)		69832	20.1579	1300
\$ 17 Phenol-d5 (SUR)	99	1.939	1.927	(0.909)		681757	61.4739	4100
1 Phenol	94	1.950	1.933	(0.914)		815800	69.4312	4600
73 Aniline	93	1.862	1.851	(0.873)		322218	25.4980	1700
20 bis(2-Chloroethyl)ether	93	1.956	1.945	(0.917)		366512	41.3774	2800
2 2-Chlorophenol	128	1.962	1.956	(0.920)		750193	70.6882	4700
113 n-decane	43	2.050	2.045	(0.961)		251310	28.9746	1900
21 1,3-Dichlorobenzene	146	2.074	2.068	(0.972)		417669	37.3814	2500
* 79 1,4-Dichlorobenzene-d4	152	2.133	2.127	(1.000)		281906	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11899.d  
 Report Date: 15-Aug-2012 10:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
22 1,4-Dichlorobenzene	146	2.144	2.145	(1.006)	423064	37.2991	2500
74 Benzyl Alcohol	108	2.350	2.333	(1.102)	176377	33.5451	2200
23 1,2-Dichlorobenzene	146	2.280	2.274	(1.069)	404488	37.6056	2500
3 2-Methylphenol	108	2.497	2.503	(1.171)	659526	74.1391	4900
24 bis (2-chloroisopropyl) ether	45	2.456	2.456	(1.152)	400097	34.5910	2300
4 4-Methylphenol	108	2.686	2.674	(1.259)	683109	75.7298	5000
123 3 & 4 Methylphenol	108	2.686	2.674	(1.259)	680909	78.4563	5200
104 Acetophenone	105	2.580	2.574	(1.210)	445847	36.3754	2400
25 N-Nitroso-di-n-propylamine	70	2.615	2.615	(1.226)	231461	36.7695	2400
26 Hexachloroethane	117	2.592	2.598	(1.215)	165616	37.6994	2500
\$ 76 Nitrobenzene-d5 (SUR)	82	2.709	2.703	(0.787)	295366	31.5634	2100
27 Nitrobenzene	77	2.733	2.733	(0.793)	464512	38.6160	2600
107 N,N-Dimethylaniline	120	2.739	2.739	(1.284)	543130	37.8728	2500
28 Isophorone	82	3.027	3.003	(0.879)	501076	34.2944	2300
5 2-Nitrophenol	139	3.068	3.062	(0.891)	436796	80.3286	5400
6 2,4-Dimethylphenol	122	3.239	3.227	(0.940)	640891	78.7847	5200
29 bis(2-Chloroethoxy)methane	93	3.303	3.303	(0.959)	395804	40.6344	2700
15 Benzoic Acid	122	3.574	3.556	(1.038)	209922	39.7834	2600
7 2,4-Dichlorophenol	162	3.368	3.368	(0.978)	564549	77.1736	5100
30 1,2,4-Trichlorobenzene	180	3.409	3.409	(0.990)	334409	39.6612	2600
* 80 Naphthalene-d8	136	3.444	3.445	(1.000)	1054561	40.0000	
31 Naphthalene	128	3.468	3.468	(1.007)	1086896	38.9996	2600
32 4-Chloroaniline	127	3.597	3.598	(1.044)	251878	24.2711	1600
33 Hexachlorobutadiene	225	3.644	3.645	(1.058)	183158	38.8683	2600
111 Caprolactam	113	4.097	4.068	(1.190)	68592	32.5847	2200
8 4-Chloro-3-methylphenol	107	4.227	4.215	(1.227)	510135	77.4017	5200
34 2-Methylnaphthalene	142	4.203	4.203	(1.220)	855304	41.2568	2800
120 1-Methylnaphthalene	142	4.297	4.297	(1.248)	642121	35.8656	2400
35 Hexachlorocyclopentadiene	237	4.380	4.380	(0.839)	121358	36.4222	2400
129 1,2,4,5-Tetrachlorobenzene	216	4.386	4.392	(0.840)	281562	38.1243	2500
9 2,4,6-Trichlorophenol	196	4.550	4.550	(0.872)	353435	76.5492	5100
10 2,4,5-Trichlorophenol	196	4.597	4.597	(0.881)	356352	77.8284	5200
\$ 77 2-Fluorobiphenyl (SUR)	172	4.615	4.615	(0.884)	580949	34.1201	2300
102 Diphenyl	154	4.697	4.697	(0.900)	773186	42.6810	2800
36 2-Chloronaphthalene	162	4.686	4.686	(0.897)	581078	41.8333	2800
103 Diphenyl Ether	170	4.815	4.815	(0.922)	420035	42.1108	2800
37 2-Nitroaniline	65	4.850	4.850	(0.929)	140674	38.4625	2600
38 Dimethylphthalate	163	5.074	5.074	(0.972)	587811	42.6287	2800
40 2,6-Dinitrotoluene	165	5.115	5.115	(0.980)	134734	41.8277	2800
39 Acenaphthylene	152	5.074	5.074	(0.972)	850464	39.3068	2600
41 3-Nitroaniline	138	5.256	5.262	(1.007)	101157	30.5625	2000
* 82 Acenaphthene-d10	164	5.221	5.221	(1.000)	475274	40.0000	
42 Acenaphthene	154	5.250	5.250	(1.006)	536194	41.7498	2800
11 2,4-Dinitrophenol	184	5.391	5.386	(1.033)	44238	28.5385	1900
12 4-Nitrophenol	65	5.550	5.550	(1.063)	77684	48.5933	3200
44 2,4-Dinitrotoluene	165	5.503	5.503	(1.054)	170558	43.3148	2900
43 Dibenzofuran	168	5.427	5.427	(1.039)	745387	40.8656	2700

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11899.d  
 Report Date: 15-Aug-2012 10:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
130 2,3,4,6-Tetrachlorophenol	232	5.591	5.592	(1.071)	120125	39.0088	2600
45 Diethylphthalate	149	5.768	5.762	(1.105)	557661	44.0740	2900
46 4-Chlorophenyl-phenylether	204	5.797	5.797	(1.110)	297173	42.4579	2800
47 Fluorene	166	5.750	5.750	(1.101)	585376	41.1929	2700
48 4-Nitroaniline	138	5.856	5.850	(1.122)	109338	40.2006	2700
13 4,6-Dinitro-2-methylphenol	198	5.903	5.897	(0.892)	96508	48.3683	3200
49 N-Nitrosodiphenylamine	169	5.933	5.927	(0.896)	406181	44.0854	2900
75 1,2-Diphenylhydrazine	77	5.944	5.944	(0.898)	553633	37.2911	2500
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.997	5.992	(1.149)	138283	67.3598	4500
50 4-Bromophenyl-phenylether	248	6.250	6.250	(0.944)	158764	43.7963	2900
51 Hexachlorobenzene	284	6.274	6.274	(0.948)	166654	42.1403	2800
112 Atrazine	200	6.497	6.497	(0.981)	136507	46.7600	3100
14 Pentachlorophenol	266	6.503	6.503	(0.982)	145493	75.5752	5000
115 n-Octadecane	57	6.697	6.703	(1.012)	277080	37.6394	2500
* 83 Phenanthrene-d10	188	6.621	6.621	(1.000)	583561	40.0000	
52 Phenanthrene	178	6.644	6.644	(1.004)	679952	42.1814	2800
53 Anthracene	178	6.691	6.691	(1.011)	662857	41.1356	2700
54 Carbazole	167	6.891	6.891	(1.041)	559117	43.1912	2900
55 Di-n-butylphthalate	149	7.315	7.315	(1.105)	729237	44.1892	2900
56 Fluoranthene	202	7.756	7.756	(1.171)	561805	42.4489	2800
58 Benzidine	184	7.968	7.968	(1.203)	23614	11.3352	760
57 Pyrene	202	7.956	7.956	(0.873)	528938	35.2438	2300
\$ 78 Terphenyl-d14	244	8.179	8.185	(0.897)	322648	30.8043	2000
59 Butylbenzylphthalate	149	8.703	8.709	(0.955)	234899	41.8222	2800
124 Carbamazepine	193	8.709	8.744	(0.955)	958	0.29719	20(a)
60 3,3'-Dichlorobenzidine	252	9.138	9.144	(1.003)	110714	44.8634	3000
61 Benzo(a)anthracene	228	9.109	9.109	(0.999)	389100	43.3216	2900
* 81 Chrysene-d12	240	9.115	9.115	(1.000)	302495	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.303	9.303	(1.021)	306581	42.1595	2800
62 Chrysene	228	9.138	9.138	(1.003)	370856	41.4663	2800
64 Di-n-octylphthalate	149	9.885	9.891	(0.953)	452248	34.6969	2300
65 Benzo(b)fluoranthene	252	10.056	10.062	(0.969)	312903	38.3123	2600
66 Benzo(k)fluoranthene	252	10.079	10.079	(0.972)	377158	39.4688	2600
67 Benzo(a)pyrene	252	10.320	10.327	(0.995)	276424	42.8878	2800
* 84 Perylene-d12	264	10.373	10.374	(1.000)	258155	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.367	11.368	(1.096)	248031	53.5401	3600(M)
69 Dibenz(a,h)anthracene	278	11.397	11.397	(1.099)	278471	51.9663	3500(M)
70 Benzo(g,h,i)perylene	276	11.609	11.615	(1.119)	281643	52.7464	3500(M)

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11899.d

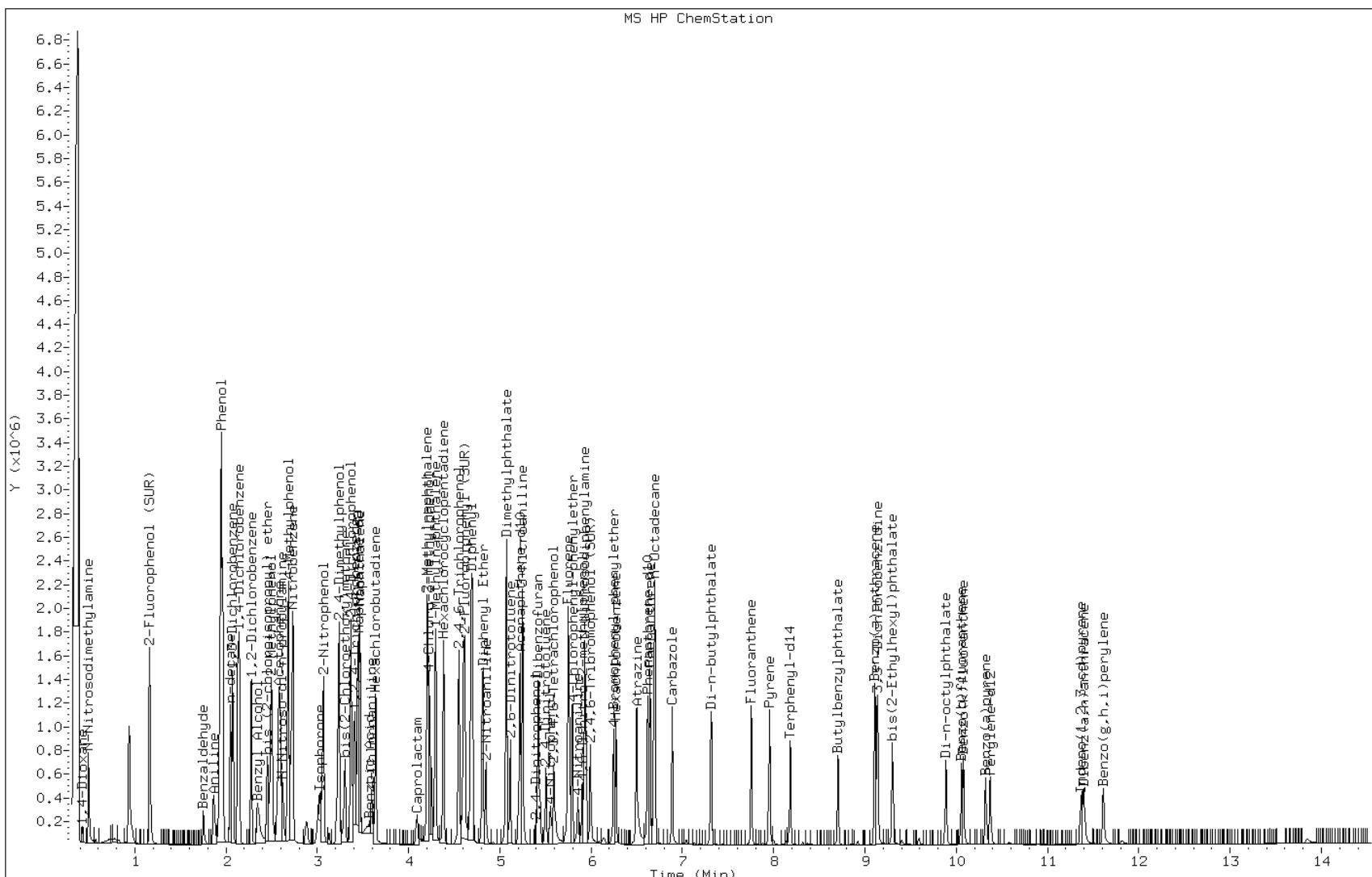
Date: 15-AUG-2012 09:50

Client ID:

Instrument: BNAMS11.i

Sample Info: LCS 460-123428/2-A

Operator: BNAMS 4

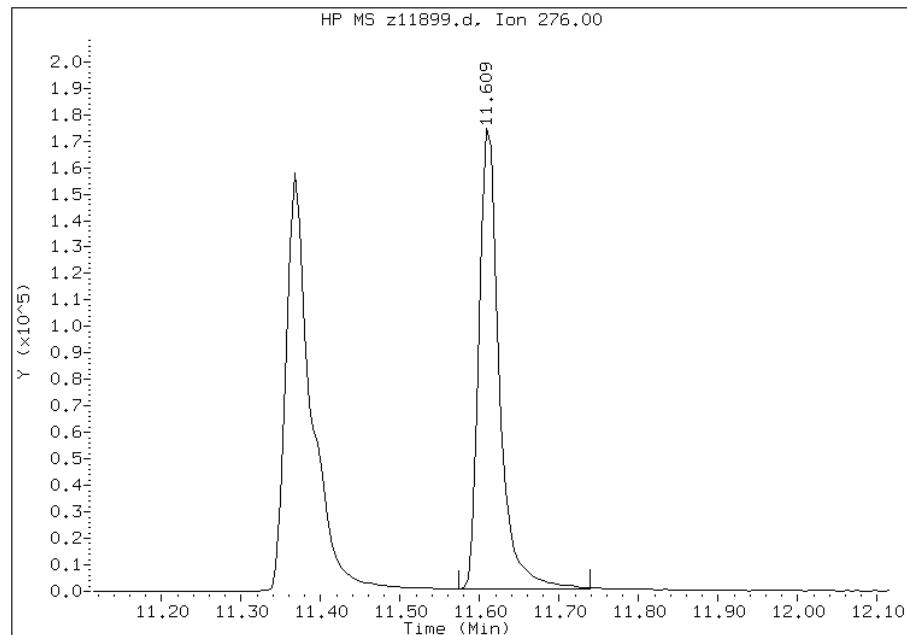


## Manual Integration Report

Data File: z11899.d  
Inj. Date and Time: 15-AUG-2012 09:50  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 70 Benzo(g,h,i)perylene  
CAS #: 191-24-2  
Report Date: 08/15/2012

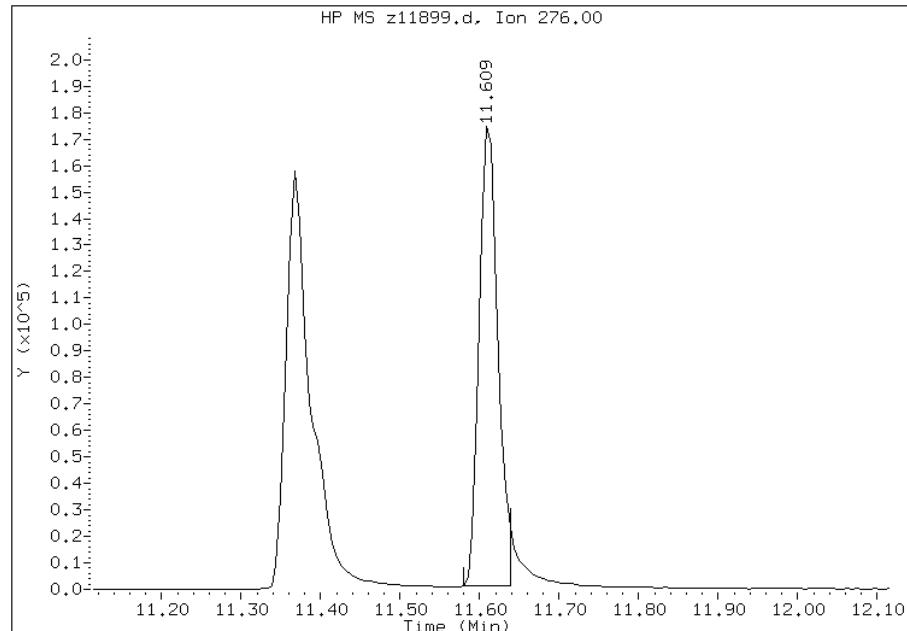
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RT: 11.61  
Response: 302919  
Amount: 57  
Conc: 3782



### Manual Integration Results

RT: 11.61  
Response: 281643  
Amount: 53  
Conc: 3516



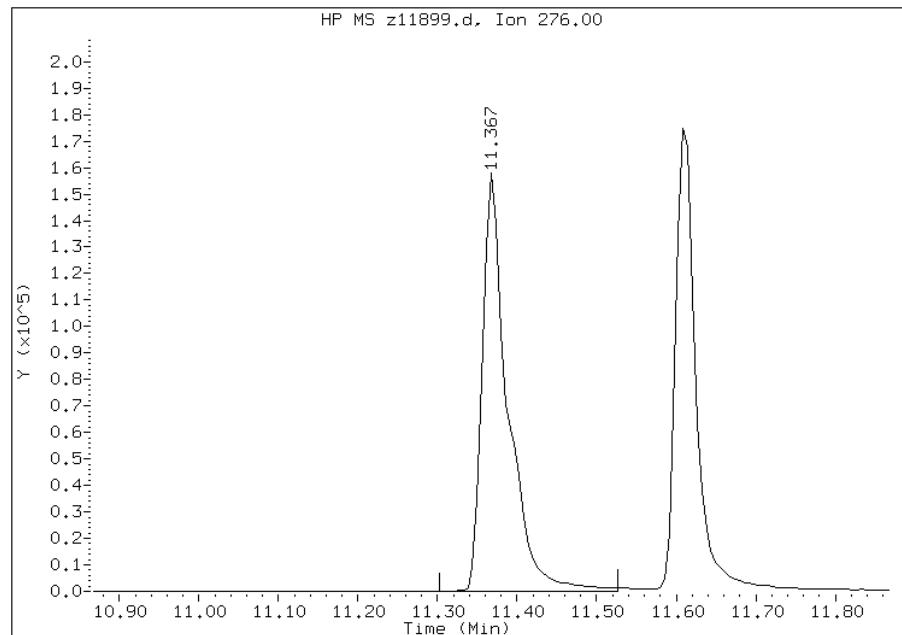
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11899.d  
Inj. Date and Time: 15-AUG-2012 09:50  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/15/2012

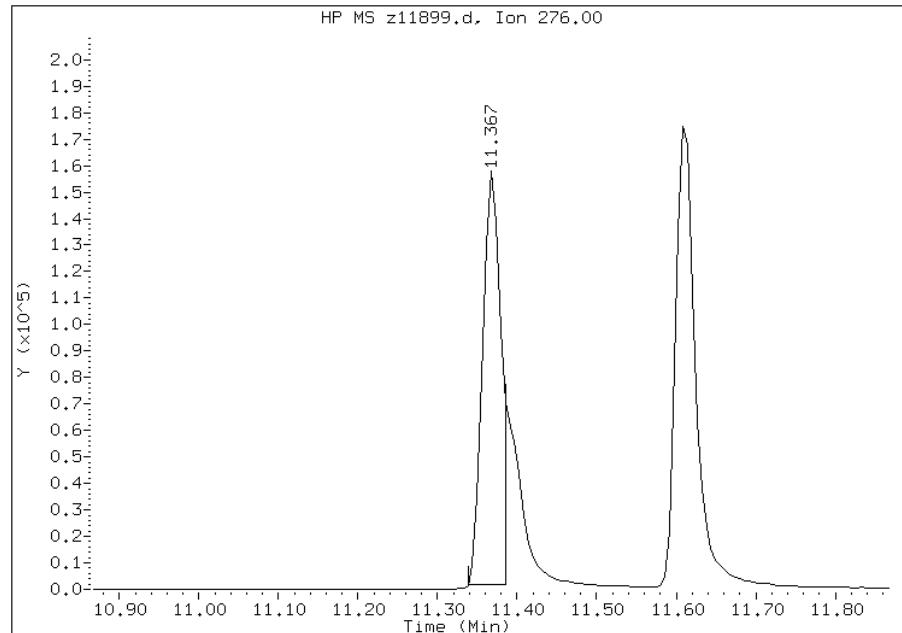
### Processing Integration Results

RT: 11.37  
Response: 350865  
Amount: 72  
Conc: 4803



### Manual Integration Results

RT: 11.37  
Response: 248031  
Amount: 54  
Conc: 3569



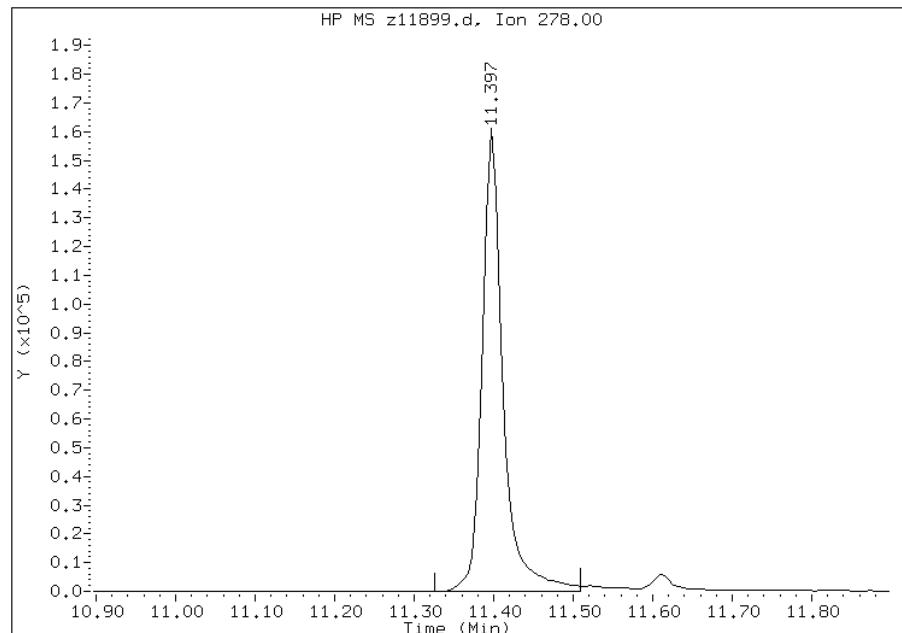
Manually Integrated By: wahied  
Manual Integration Reason:

## Manual Integration Report

Data File: z11899.d  
Inj. Date and Time: 15-AUG-2012 09:50  
Instrument ID: BNAMS11.i  
Client ID:  
Compound: 69 Dibenz(a,h)anthracene  
CAS #: 53-70-3  
Report Date: 08/15/2012

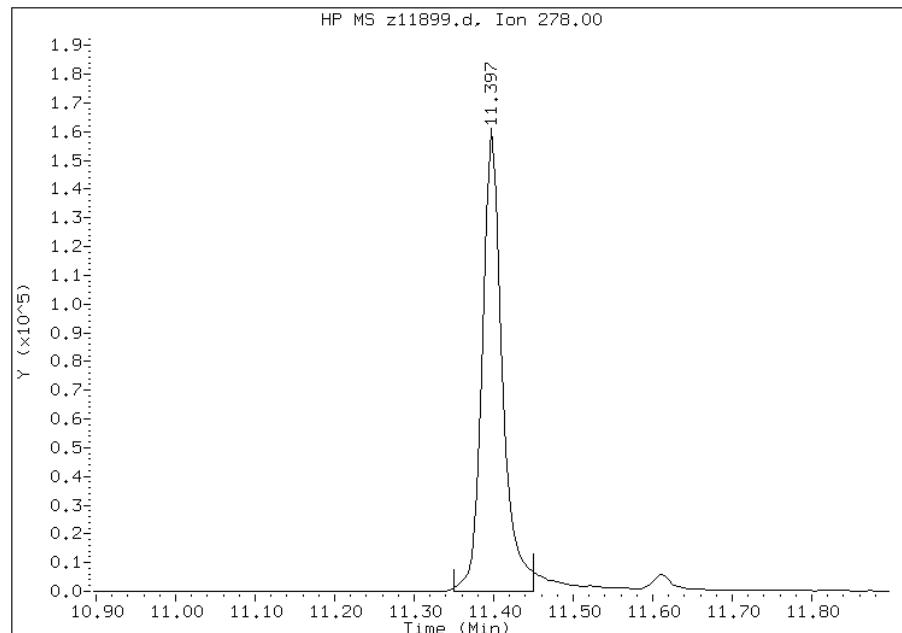
### Processing Integration Results

RT: 11.40  
Response: 290129  
Amount: 54  
Conc: 3595



### Manual Integration Results

RT: 11.40  
Response: 278471  
Amount: 52  
Conc: 3464



Manually Integrated By: wahied  
Manual Integration Reason:

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43236-N-9-A MS

Matrix: Water Lab File ID: x29283.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3510C Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 15:57

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	28.9		10	0.81
95-57-8	2-Chlorophenol	87.5		10	2.2
95-48-7	2-Methylphenol	71.4		10	1.8
106-44-5	4-Methylphenol	64.6		10	1.6
100-52-7	Benzaldehyde	100		10	2.0
98-86-2	Acetophenone	100		10	2.7
111-44-4	Bis(2-chloroethyl)ether	94.2		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	95.0		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	94.7		1.0	0.25
98-95-3	Nitrobenzene	112		1.0	0.30
67-72-1	Hexachloroethane	91.6		1.0	0.25
78-59-1	Isophorone	108		10	2.7
88-75-5	2-Nitrophenol	126		10	2.4
105-67-9	2,4-Dimethylphenol	105		10	3.4
120-83-2	2,4-Dichlorophenol	109		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	111		10	2.6
91-20-3	Naphthalene	95.9		10	2.7
106-47-8	4-Chloroaniline	73.6		10	2.0
87-68-3	Hexachlorobutadiene	114		2.0	0.57
105-60-2	Caprolactam	25.7		10	2.5
59-50-7	4-Chloro-3-methylphenol	106		10	2.5
91-57-6	2-Methylnaphthalene	125		10	3.0
118-74-1	Hexachlorobenzene	107		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	78.0		10	1.7
88-06-2	2,4,6-Trichlorophenol	109		10	2.4
95-95-4	2,4,5-Trichlorophenol	98.2		10	2.6
92-52-4	Diphenyl	102		10	2.8
91-58-7	2-Chloronaphthalene	96.6		10	2.7
88-74-4	2-Nitroaniline	80.2		20	4.9
606-20-2	2,6-Dinitrotoluene	102		2.0	0.61
131-11-3	Dimethyl phthalate	102		10	2.8
208-96-8	Acenaphthylene	94.4		10	2.7
99-09-2	3-Nitroaniline	68.3		20	5.0
83-32-9	Acenaphthene	101		10	2.7

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43236-N-9-A MS

Matrix: Water Lab File ID: x29283.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3510C Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 15:57

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	47.9		30	6.7
51-28-5	2,4-Dinitrophenol	115		30	5.4
132-64-9	Dibenzofuran	99.7		10	2.8
84-66-2	Diethyl phthalate	97.1		10	2.9
86-73-7	Fluorene	98.2		10	2.8
206-44-0	Fluoranthene	102		10	3.2
84-74-2	Di-n-butyl phthalate	99.2		10	2.9
121-14-2	2,4-Dinitrotoluene	102		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	96.8		10	2.5
100-01-6	4-Nitroaniline	63.6		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	120		30	4.7
101-55-3	4-Bromophenyl phenyl ether	104		10	2.5
1912-24-9	Atrazine	66.7		10	3.0
120-12-7	Anthracene	98.5		10	2.8
86-74-8	Carbazole	98.2		10	3.2
85-01-8	Phenanthrene	103		10	3.1
87-86-5	Pentachlorophenol	115		30	5.3
129-00-0	Pyrene	96.4		10	2.9
218-01-9	Chrysene	102		10	3.1
207-08-9	Benzo[k]fluoranthene	97.1		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	109		10	2.0
205-99-2	Benzo[b]fluoranthene	96.7		1.0	0.26
50-32-8	Benzo[a]pyrene	99.4		1.0	0.14
56-55-3	Benzo[a]anthracene	99.0		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	104		10	2.9
85-68-7	Butyl benzyl phthalate	97.2		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	99.8		10	2.0
117-84-0	Di-n-octyl phthalate	96.2		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	99.1		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	109		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	51.4		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	92.0		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	103		10	2.5

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43236-N-9-A MS  
Matrix: Water Lab File ID: x29283.d  
Analysis Method: 8270C Date Collected: \_\_\_\_\_  
Extract. Method: 3510C Date Extracted: 08/09/2012 13:03  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 15:57  
Con. Extract Vol.: 2 (mL) Dilution Factor: 1  
Injection Volume: 1 (uL) Level: (low/med) Low  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124292 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	115	X	56-112
4165-62-2	Phenol-d5	25		10-48
1718-51-0	Terphenyl-d14	82		50-122
118-79-6	2,4,6-Tribromophenol	107		46-122
367-12-4	2-Fluorophenol	44		10-65
321-60-8	2-Fluorobiphenyl	94		53-108

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29283.d  
Report Date: 15-Aug-2012 09:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29283.d  
Lab Smp Id: 460-43236-N-9-A MS  
Inj Date : 14-AUG-2012 15:57  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : 460-43236-N-9-A MS  
Misc Info : 460-43236-N-9-A MS  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/8270C\_11.m  
Meth Date : 14-Aug-2012 14:36 croccom Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 6 QC Sample: MS  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-h20.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
106 1,4-Dioxane	88	1.070	1.052 (0.305)		194351	20.8598	42
19 N-Nitrosodimethylamine	74	1.258	1.252 (0.359)		301103	23.5959	47
71 Pyridine	79	1.282	1.270 (0.366)		403312	17.9967	36
\$ 16 2-Fluorophenol (SUR)	112	2.276	2.276 (0.649)		451947	21.7620	44
110 Benzaldehyde	77	3.052	3.052 (0.871)		582559	50.0170	100
\$ 17 Phenol-d5 (SUR)	99	3.182	3.188 (0.908)		315656	12.6756	25
1 Phenol	94	3.194	3.199 (0.911)		398787	14.4711	29
73 Aniline	93	3.176	3.170 (0.906)		686056	21.9582	44
20 bis(2-Chloroethyl)ether	93	3.246	3.252 (0.926)		1053310	47.1154	94
2 2-Chlorophenol	128	3.299	3.299 (0.941)		1001397	43.7308	87
113 n-decane	43	3.364	3.364 (0.960)		863502	39.9963	80
21 1,3-Dichlorobenzene	146	3.441	3.446 (0.982)		1229971	45.7972	92
* 79 1,4-Dichlorobenzene-d4	152	3.505	3.499 (1.000)		637070	40.0000	
22 1,4-Dichlorobenzene	146	3.523	3.517 (1.005)		1206228	45.6919	91
74 Benzyl Alcohol	108	3.682	3.676 (1.050)		443928	37.9480	76

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29283.d  
 Report Date: 15-Aug-2012 09:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
23 1,2-Dichlorobenzene	146	3.676	3.670	(1.049)	1133616	46.5519	93
3 2-Methylphenol	108	3.823	3.817	(1.091)	663256	35.6896	71
24 bis (2-chloroisopropyl) ether	45	3.805	3.805	(1.086)	1118320	47.5070	95
4 4-Methylphenol	108	3.993	3.976	(1.139)	584975	32.3225	65
123 3 & 4 Methylphenol	108	3.993	3.976	(1.139)	595063	32.2439	64
104 Acetophenone	105	3.935	3.941	(1.122)	1362379	50.1045	100
25 N-Nitroso-di-n-propylamine	70	3.958	3.952	(1.129)	701410	47.3436	95
26 Hexachloroethane	117	4.011	4.011	(1.144)	430197	45.7791	92
\$ 76 Nitrobenzene-d5 (SUR)	82	4.082	4.082	(0.849)	1059413	57.4397	110(R)
27 Nitrobenzene	77	4.105	4.105	(0.854)	1302901	56.1108	110(R)
107 N,N-Dimethylaniline	120	4.111	4.111	(1.173)	1157614	38.9142	78
28 Isophorone	82	4.364	4.352	(0.908)	1551519	54.0645	110(R)
5 2-Nitrophenol	139	4.429	4.423	(0.922)	581387	63.1145	130(R)
6 2,4-Dimethylphenol	122	4.529	4.511	(0.942)	749428	52.6023	100(R)
29 bis(2-Chloroethoxy)methane	93	4.599	4.593	(0.957)	960313	55.2977	110(R)
7 2,4-Dichlorophenol	162	4.693	4.682	(0.977)	719959	54.3638	110(R)
30 1,2,4-Trichlorobenzene	180	4.752	4.752	(0.989)	779979	50.3713	100(R)
* 80 Naphthalene-d8	136	4.805	4.799	(1.000)	1757355	40.0000	
31 Naphthalene	128	4.823	4.823	(1.004)	2261137	47.9555	96
32 4-Chloroaniline	127	4.911	4.899	(1.022)	617717	36.7842	74
33 Hexachlorobutadiene	225	4.964	4.964	(1.033)	529793	57.0147	110(R)
111 Caprolactam	113	5.370	5.293	(1.117)	45995	12.8601	26(H)
8 4-Chloro-3-methylphenol	107	5.446	5.435	(1.133)	662539	52.9720	100
34 2-Methylnaphthalene	142	5.523	5.517	(1.149)	1827055	62.2946	120(R)
120 1-Methylnaphthalene	142	5.623	5.617	(1.170)	1782101	58.9627	120
35 Hexachlorocyclopentadiene	237	5.688	5.687	(0.869)	348177	39.0055	78
129 1,2,4,5-Tetrachlorobenzene	216	5.699	5.693	(0.871)	787645	46.0090	92
9 2,4,6-Trichlorophenol	196	5.835	5.823	(0.891)	571559	54.7244	110
10 2,4,5-Trichlorophenol	196	5.876	5.864	(0.898)	517542	49.0952	98
\$ 77 2-Fluorobiphenyl (SUR)	172	5.905	5.899	(0.902)	1775261	46.9002	94
102 Diphenyl	154	5.999	5.993	(0.916)	1965938	51.1867	100
36 2-Chloronaphthalene	162	6.005	5.999	(0.917)	1455358	48.3034	97
103 Diphenyl Ether	170	6.105	6.099	(0.933)	1113804	49.3795	99
37 2-Nitroaniline	65	6.129	6.123	(0.936)	387173	40.0867	80
125 1,3-Dimethylnaphthalene	156	6.217	6.223	(0.950)	42843	1.64298	3.3(a)
38 Dimethylphthalate	163	6.329	6.317	(0.967)	1542596	51.1228	100
40 2,6-Dinitrotoluene	165	6.376	6.370	(0.974)	372941	51.1047	100
39 Acenaphthylene	152	6.405	6.405	(0.978)	2240284	47.1787	94
41 3-Nitroaniline	138	6.540	6.529	(0.999)	238390	34.1543	68
* 82 Acenaphthene-d10	164	6.546	6.540	(1.000)	1029591	40.0000	
42 Acenaphthene	154	6.582	6.576	(1.005)	1394937	50.7130	100
11 2,4-Dinitrophenol	184	6.640	6.634	(1.014)	195500	57.3467	110(R)
12 4-Nitrophenol	65	6.776	6.740	(1.035)	118047	23.9552	48(R)
44 2,4-Dinitrotoluene	165	6.764	6.764	(1.033)	445534	50.8679	100
43 Dibenzofuran	168	6.752	6.746	(1.031)	1989978	49.8304	100
130 2,3,4,6-Tetrachlorophenol	232	6.887	6.882	(1.052)	379898	51.4527	100
45 Diethylphthalate	149	7.017	7.011	(1.072)	1378334	48.5659	97

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29283.d  
 Report Date: 15-Aug-2012 09:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
46 4-Chlorophenyl-phenylether	204	7.099	7.093	(1.084)	773206	48.4014	97
47 Fluorene	166	7.082	7.082	(1.082)	1528509	49.1204	98
48 4-Nitroaniline	138	7.134	7.129	(1.090)	182530	31.7954	64
13 4,6-Dinitro-2-methylphenol	198	7.164	7.158	(0.897)	266024	60.1356	120(R)
49 N-Nitrosodiphenylamine	169	7.223	7.217	(0.904)	1057485	52.0429	100
75 1,2-Diphenylhydrazine	77	7.252	7.246	(0.908)	1372997	41.3646	83
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.323	7.317	(1.119)	286109	53.4001	110
50 4-Bromophenyl-phenylether	248	7.570	7.564	(0.948)	471741	52.0334	100
51 Hexachlorobenzene	284	7.623	7.617	(0.954)	548175	53.3378	110
112 Atrazine	200	7.776	7.758	(0.973)	218100	33.3287	67
14 Pentachlorophenol	266	7.829	7.823	(0.980)	285641	57.5180	120
115 n-Octadecane	57	7.946	7.946	(0.995)	816101	46.0574	92
* 83 Phenanthrene-d10	188	7.987	7.981	(1.000)	1309808	40.0000	
52 Phenanthrene	178	8.011	8.005	(1.003)	1892516	51.4458	100
53 Anthracene	178	8.058	8.058	(1.009)	1804141	49.2669	98
54 Carbazole	167	8.234	8.229	(1.031)	1437763	49.1044	98
55 Di-n-butylphthalate	149	8.605	8.599	(1.077)	1780417	49.6166	99
56 Fluoranthene	202	9.164	9.158	(1.147)	1617100	51.1136	100
57 Pyrene	202	9.375	9.370	(0.887)	1572926	48.2196	96
\$ 78 Terphenyl-d14	244	9.552	9.552	(0.903)	1003801	40.8158	82
59 Butylbenzylphthalate	149	10.052	10.046	(0.950)	577191	48.6124	97
60 3,3'-Dichlorobenzidine	252	10.558	10.558	(0.998)	198925	25.6813	51(R)
61 Benzo(a)anthracene	228	10.564	10.564	(0.999)	1203522	49.4931	99
* 81 Chrysene-d12	240	10.575	10.570	(1.000)	791991	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.658	10.658	(1.008)	773607	49.9149	100
62 Chrysene	228	10.599	10.599	(1.002)	1125689	51.1833	100
64 Di-n-octylphthalate	149	11.393	11.393	(0.931)	1145540	48.0975	96
65 Benzo(b)fluoranthene	252	11.775	11.775	(0.962)	975528	48.3740	97
66 Benzo(k)fluoranthene	252	11.811	11.811	(0.965)	1066864	48.5581	97
67 Benzo(a)pyrene	252	12.164	12.164	(0.994)	802501	49.6892	99
* 84 Perylene-d12	264	12.234	12.234	(1.000)	673937	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.558	13.558	(1.108)	782886	49.5444	99
69 Dibenz(a,h)anthracene	278	13.593	13.587	(1.111)	840256	54.7230	110
70 Benzo(g,h,i)perylene	276	13.881	13.875	(1.135)	856716	54.4084	110

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- H - Operator selected an alternate compound hit.

Data File: x29283.d

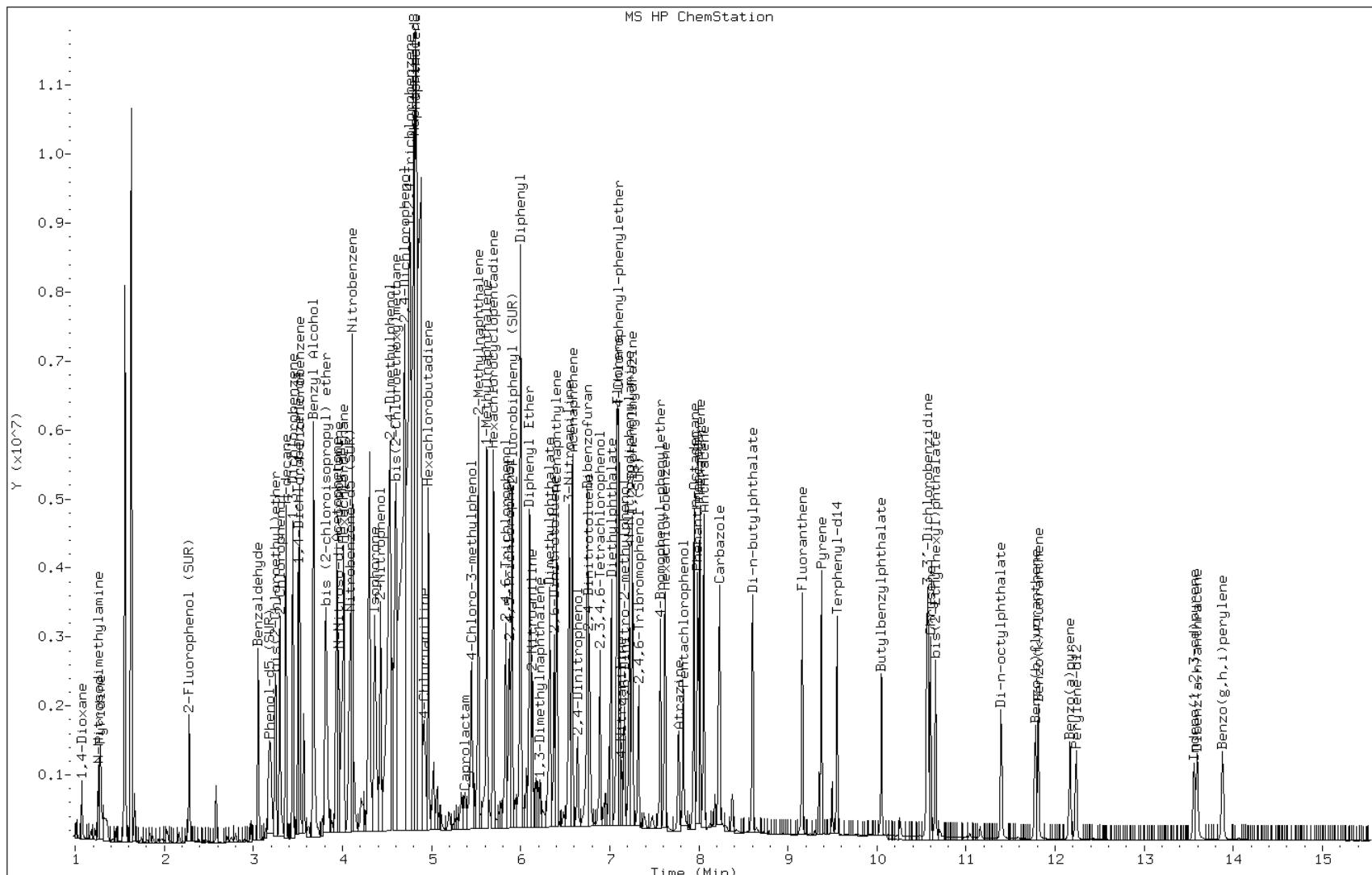
Date: 14-AUG-2012 15:57

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-43236-N-9-A MS

Operator: BNAMS 4



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43228-A-4-A MS

Matrix: Solid Lab File ID: z11900.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.02(g) Date Analyzed: 08/15/2012 10:11

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5020		370	49
95-57-8	2-Chlorophenol	5460		370	48
95-48-7	2-Methylphenol	5680		370	63
106-44-5	4-Methylphenol	5720		370	72
100-52-7	Benzaldehyde	1370		370	43
98-86-2	Acetophenone	2800		370	56
111-44-4	Bis(2-chloroethyl)ether	3210		37	5.0
108-60-1	2,2'-oxybis[1-chloropropane]	2660		370	41
621-64-7	N-Nitrosodi-n-propylamine	2810		37	6.1
98-95-3	Nitrobenzene	3070		37	5.2
67-72-1	Hexachloroethane	2920		37	4.1
78-59-1	Isophorone	2950		370	44
88-75-5	2-Nitrophenol	6180		370	41
105-67-9	2,4-Dimethylphenol	5980		370	90
120-83-2	2,4-Dichlorophenol	5520		370	54
111-91-1	Bis(2-chloroethoxy)methane	3130		370	47
91-20-3	Naphthalene	3090		370	42
106-47-8	4-Chloroaniline	1550		370	97
87-68-3	Hexachlorobutadiene	3110		74	8.9
105-60-2	Caprolactam	1890		370	84
59-50-7	4-Chloro-3-methylphenol	5500		370	55
91-57-6	2-Methylnaphthalene	3270		370	47
118-74-1	Hexachlorobenzene	3370		37	5.0
77-47-4	Hexachlorocyclopentadiene	1070		370	43
88-06-2	2,4,6-Trichlorophenol	5620		370	43
95-95-4	2,4,5-Trichlorophenol	5720		370	47
92-52-4	Diphenyl	3380		370	49
91-58-7	2-Chloronaphthalene	3300		370	41
88-74-4	2-Nitroaniline	2780		740	150
606-20-2	2,6-Dinitrotoluene	3100		74	11
131-11-3	Dimethyl phthalate	3130		370	43
208-96-8	Acenaphthylene	3040		370	43
99-09-2	3-Nitroaniline	2220		740	130
83-32-9	Acenaphthene	3150		370	53

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43228-A-4-A MS

Matrix: Solid Lab File ID: z11900.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.02(g) Date Analyzed: 08/15/2012 10:11

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	3340		1100	240
51-28-5	2,4-Dinitrophenol	1050	J	1100	210
132-64-9	Dibenzofuran	3100		370	43
84-66-2	Diethyl phthalate	3090		370	44
86-73-7	Fluorene	3030		370	47
206-44-0	Fluoranthene	3330		370	49
84-74-2	Di-n-butyl phthalate	3260		370	45
121-14-2	2,4-Dinitrotoluene	3070		74	12
7005-72-3	4-Chlorophenyl phenyl ether	3120		370	43
100-01-6	4-Nitroaniline	2450		740	110
534-52-1	4,6-Dinitro-2-methylphenol	2650		1100	100
101-55-3	4-Bromophenyl phenyl ether	3480		370	36
1912-24-9	Atrazine	3200		370	57
120-12-7	Anthracene	3180		370	45
86-74-8	Carbazole	3210		370	43
85-01-8	Phenanthrene	3210		370	47
87-86-5	Pentachlorophenol	5040		1100	110
129-00-0	Pyrene	2600		370	31
218-01-9	Chrysene	3220		370	43
207-08-9	Benzo[k]fluoranthene	3090		37	2.8
191-24-2	Benzo[g,h,i]perylene	4570		370	27
205-99-2	Benzo[b]fluoranthene	2800		37	2.3
50-32-8	Benzo[a]pyrene	3300		37	2.6
56-55-3	Benzo[a]anthracene	3210		37	2.6
86-30-6	N-Nitrosodiphenylamine	3370		370	36
85-68-7	Butyl benzyl phthalate	2930		370	34
117-81-7	Bis(2-ethylhexyl) phthalate	3050		370	120
117-84-0	Di-n-octyl phthalate	2360		370	23
193-39-5	Indeno[1,2,3-cd]pyrene	4250		37	6.8
53-70-3	Dibenz(a,h)anthracene	4310		37	4.6
91-94-1	3,3'-Dichlorobenzidine	3430		740	130
95-94-3	1,2,4,5-Tetrachlorobenzene	3160		370	49
58-90-2	2,3,4,6-Tetrachlorophenol	2470		370	48

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43228-A-4-A MS  
Matrix: Solid Lab File ID: z11900.d  
Analysis Method: 8270C Date Collected: \_\_\_\_\_  
Extract. Method: 3541 Date Extracted: 08/10/2012 09:24  
Sample wt/vol: 15.02(g) Date Analyzed: 08/15/2012 10:11  
Con. Extract Vol.: 1(mL) Dilution Factor: 1  
Injection Volume: 1(uL) Level: (low/med) Low  
% Moisture: 9.9 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	67		38-105
4165-62-2	Phenol-d5	63		41-118
1718-51-0	Terphenyl-d14	60		16-151
118-79-6	2,4,6-Tribromophenol	54		10-120
367-12-4	2-Fluorophenol	66		37-125
321-60-8	2-Fluorobiphenyl	75		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11900.d  
Report Date: 15-Aug-2012 11:42

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11900.d  
Lab Smp Id: 460-43228-A-4-A MS Client Smp ID: L002.1 36-42"  
Inj Date : 15-AUG-2012 10:11  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : 460-43228-A-4-A MS  
Misc Info : 460-43228-A-4-A MS  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 26 QC Sample: MS  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.02000	Weight of sample extracted (g)
M	9.90502	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
106 1,4-Dioxane	88	0.427	0.380	(0.200)		31944	19.9792	1500(H)
19 N-Nitrosodimethylamine	74	0.492	0.439	(0.231)		133099	30.2457	2200(H)
71 Pyridine	79	0.498	0.445	(0.233)		183671	23.5006	1700
\$ 16 2-Fluorophenol (SUR)	112	1.174	1.121	(0.550)		569565	65.8496	4900
110 Benzaldehyde	77	1.756	1.739	(0.824)		62047	18.5246	1400
\$ 17 Phenol-d5 (SUR)	99	1.939	1.927	(0.909)		676537	63.0943	4700
1 Phenol	94	1.951	1.933	(0.914)		771537	67.9149	5000
73 Aniline	93	1.868	1.851	(0.876)		267851	21.9223	1600
20 bis(2-Chloroethyl)ether	93	1.962	1.945	(0.920)		373093	43.3850	3200
2 2-Chlorophenol	128	1.968	1.956	(0.923)		757733	73.8461	5400
113 n-decane	43	2.051	2.045	(0.961)		251368	29.9747	2200
21 1,3-Dichlorobenzene	146	2.074	2.068	(0.972)		421391	39.0074	2900
* 79 1,4-Dichlorobenzene-d4	152	2.133	2.127	(1.000)		272563	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11900.d  
 Report Date: 15-Aug-2012 11:42

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)
22 1,4-Dichlorobenzene	146	2.151	2.145	(1.008)	429969	39.2072	2900
74 Benzyl Alcohol	108	2.351	2.333	(1.102)	168371	33.1201	2400
23 1,2-Dichlorobenzene	146	2.280	2.274	(1.069)	411529	39.5717	2900
3 2-Methylphenol	108	2.498	2.503	(1.171)	661613	76.9231	5700
24 bis (2-chloroisopropyl) ether	45	2.456	2.456	(1.152)	403126	36.0476	2700
4 4-Methylphenol	108	2.686	2.674	(1.259)	674656	77.3565	5700
123 3 & 4 Methylphenol	108	2.686	2.674	(1.259)	651668	77.6609	5700
104 Acetophenone	105	2.580	2.574	(1.210)	449718	37.9489	2800
25 N-Nitroso-di-n-propylamine	70	2.615	2.615	(1.226)	231580	38.0494	2800
26 Hexachloroethane	117	2.592	2.598	(1.215)	167598	39.4583	2900
\$ 76 Nitrobenzene-d5 (SUR)	82	2.703	2.703	(0.785)	297773	33.6919	2500
27 Nitrobenzene	77	2.733	2.733	(0.793)	471864	41.5340	3100
107 N,N-Dimethylaniline	120	2.739	2.739	(1.284)	545572	39.3471	2900
28 Isophorone	82	3.021	3.003	(0.877)	551481	39.9638	3000
5 2-Nitrophenol	139	3.068	3.062	(0.891)	429719	83.6745	6200
6 2,4-Dimethylphenol	122	3.239	3.227	(0.940)	622221	80.9878	6000
29 bis(2-Chloroethoxy)methane	93	3.303	3.303	(0.959)	389050	42.2899	3100
15 Benzoic Acid	122	3.509	3.556	(1.019)	86204	17.2977	1300(M)
7 2,4-Dichlorophenol	162	3.368	3.368	(0.978)	515803	74.6566	5500
30 1,2,4-Trichlorobenzene	180	3.409	3.409	(0.990)	335719	42.1581	3100
* 80 Naphthalene-d8	136	3.445	3.445	(1.000)	995989	40.0000	
31 Naphthalene	128	3.468	3.468	(1.007)	1101734	41.8568	3100
32 4-Chloroaniline	127	3.592	3.598	(1.043)	206177	21.0356	1600
33 Hexachlorobutadiene	225	3.645	3.645	(1.058)	187093	42.0382	3100
111 Caprolactam	113	4.080	4.068	(1.184)	50862	25.5830	1900
8 4-Chloro-3-methylphenol	107	4.227	4.215	(1.227)	463700	74.4937	5500
34 2-Methylnaphthalene	142	4.203	4.203	(1.220)	867282	44.2947	3300
120 1-Methylnaphthalene	142	4.297	4.297	(1.248)	613653	36.2912	2700
35 Hexachlorocyclopentadiene	237	4.380	4.380	(0.839)	41186	14.5407	1100
129 1,2,4,5-Tetrachlorobenzene	216	4.386	4.392	(0.840)	278592	42.7914	3200
9 2,4,6-Trichlorophenol	196	4.550	4.550	(0.872)	309385	76.0134	5600
10 2,4,5-Trichlorophenol	196	4.597	4.597	(0.881)	312171	77.3414	5700
\$ 77 2-Fluorobiphenyl (SUR)	172	4.615	4.615	(0.884)	559588	37.2822	2800
102 Diphenyl	154	4.697	4.697	(0.900)	730872	45.7670	3400
36 2-Chloronaphthalene	162	4.686	4.686	(0.897)	546339	44.6180	3300
103 Diphenyl Ether	170	4.815	4.815	(0.922)	397053	45.1561	3300
37 2-Nitroaniline	65	4.844	4.850	(0.928)	121443	37.6665	2800
38 Dimethylphthalate	163	5.068	5.074	(0.971)	514227	42.3038	3100
40 2,6-Dinitrotoluene	165	5.115	5.115	(0.980)	119149	41.9602	3100
39 Acenaphthylene	152	5.074	5.074	(0.972)	784883	41.1507	3000
41 3-Nitroaniline	138	5.256	5.262	(1.007)	87770	30.0815	2200
* 82 Acenaphthene-d10	164	5.221	5.221	(1.000)	418971	40.0000	
42 Acenaphthene	154	5.250	5.250	(1.006)	483361	42.6937	3200
11 2,4-Dinitrophenol	184	5.391	5.386	(1.033)	19391	14.1905	1000(a)
12 4-Nitrophenol	65	5.544	5.550	(1.062)	63606	45.1340	3300
44 2,4-Dinitrotoluene	165	5.503	5.503	(1.054)	144071	41.5051	3100
43 Dibenzofuran	168	5.421	5.427	(1.038)	673824	41.9066	3100

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11900.d  
 Report Date: 15-Aug-2012 11:42

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
130 2,3,4,6-Tetrachlorophenol	232	5.591	5.592	(1.071)		90559	33.3596	2500(R)
45 Diethylphthalate	149	5.762	5.762	(1.104)		466800	41.8508	3100
46 4-Chlorophenyl-phenylether	204	5.791	5.797	(1.109)		260921	42.2881	3100
47 Fluorene	166	5.750	5.750	(1.101)		514385	41.0616	3000
48 4-Nitroaniline	138	5.850	5.850	(1.121)		79444	33.1346	2400
13 4,6-Dinitro-2-methylphenol	198	5.897	5.897	(0.891)		57848	35.8093	2600
49 N-Nitrosodiphenylamine	169	5.927	5.927	(0.895)		340259	45.6136	3400
75 1,2-Diphenylhydrazine	77	5.939	5.944	(0.897)		456886	38.0102	2800
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.991	5.992	(1.148)		98551	54.4569	4000
50 4-Bromophenyl-phenylether	248	6.244	6.250	(0.943)		138205	47.0888	3500
51 Hexachlorobenzene	284	6.274	6.274	(0.948)		145838	45.5472	3400
112 Atrazine	200	6.497	6.497	(0.981)		102326	43.2927	3200
14 Pentachlorophenol	266	6.503	6.503	(0.982)		106262	68.1749	5000
115 n-Octadecane	57	6.697	6.703	(1.012)		247365	41.5035	3100
* 83 Phenanthrene-d10	188	6.621	6.621	(1.000)		472473	40.0000	
52 Phenanthrene	178	6.644	6.644	(1.004)		567601	43.4906	3200
53 Anthracene	178	6.691	6.691	(1.011)		561523	43.0403	3200
54 Carbazole	167	6.891	6.891	(1.041)		455284	43.4395	3200
55 Di-n-butylphthalate	149	7.315	7.315	(1.105)		590330	44.1826	3300
56 Fluoranthene	202	7.756	7.756	(1.171)		482959	45.0713	3300
58 Benzidine	184	7.974	7.968	(1.204)		5115	3.03258	220(aR)
57 Pyrene	202	7.956	7.956	(0.873)		459309	35.2093	2600
\$ 78 Terphenyl-d14	244	8.180	8.185	(0.897)		272709	29.9541	2200
59 Butylbenzylphthalate	149	8.703	8.709	(0.955)		193445	39.6240	2900
124 Carbamazepine	193	8.709	8.744	(0.955)		764	0.27267	20(a)
60 3,3'-Dichlorobenzidine	252	9.138	9.144	(1.003)		98907	46.4584	3400
61 Benzo(a)anthracene	228	9.109	9.109	(0.999)		339488	43.4853	3200
* 81 Chrysene-d12	240	9.115	9.115	(1.000)		262932	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.303	9.303	(1.021)		261027	41.2962	3000
62 Chrysene	228	9.138	9.138	(1.003)		338988	43.6062	3200
64 Di-n-octylphthalate	149	9.885	9.891	(0.953)		395056	31.8896	2400
65 Benzo(b)fluoranthene	252	10.056	10.062	(0.969)		294163	37.8960	2800
66 Benzo(k)fluoranthene	252	10.079	10.079	(0.972)		380114	41.8525	3100
67 Benzo(a)pyrene	252	10.321	10.327	(0.995)		273792	44.6946	3300(R)
* 84 Perylene-d12	264	10.374	10.374	(1.000)		245360	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.368	11.368	(1.096)		256098	57.5736	4200(RM)
69 Dibenz(a,h)anthracene	278	11.397	11.397	(1.099)		300849	58.3086	4300(R)
70 Benzo(g,h,i)perylene	276	11.615	11.615	(1.120)		314099	61.8924	4600(R)

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11900.d

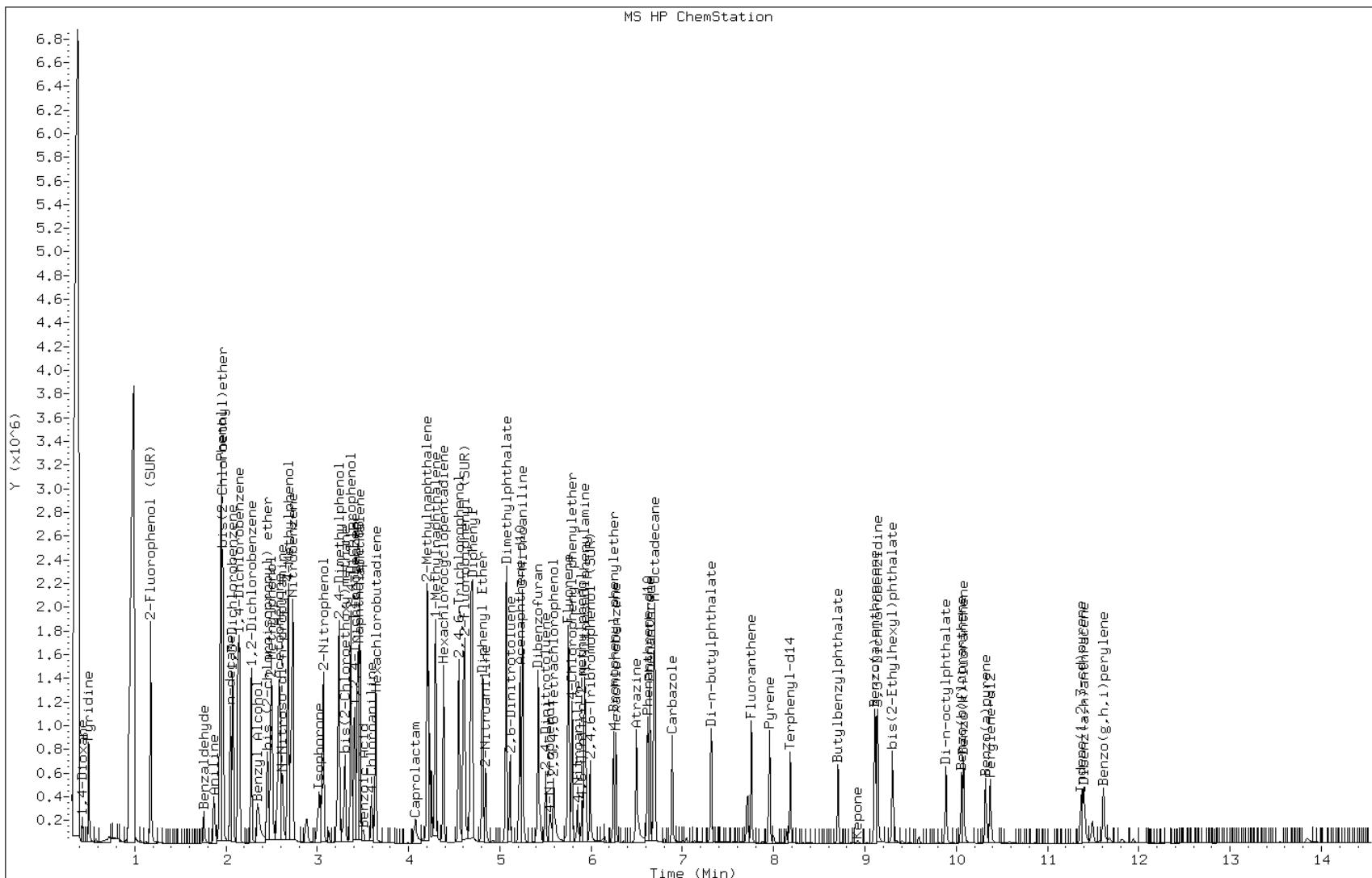
Date: 15-AUG-2012 10:11

Client ID: L002.1 36-42"

Instrument: BNAMS11.i

Sample Info: 460-43228-A-4-A MS

Operator: BNAMS 4

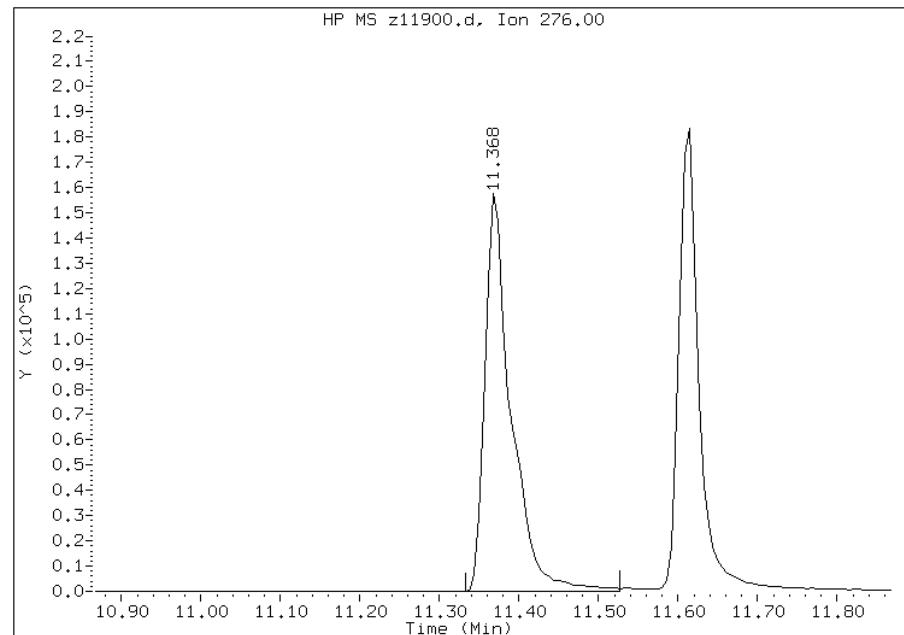


## Manual Integration Report

Data File: z11900.d  
Inj. Date and Time: 15-AUG-2012 10:11  
Instrument ID: BNAMS11.i  
Client ID: L002.1 36-42"  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/15/2012

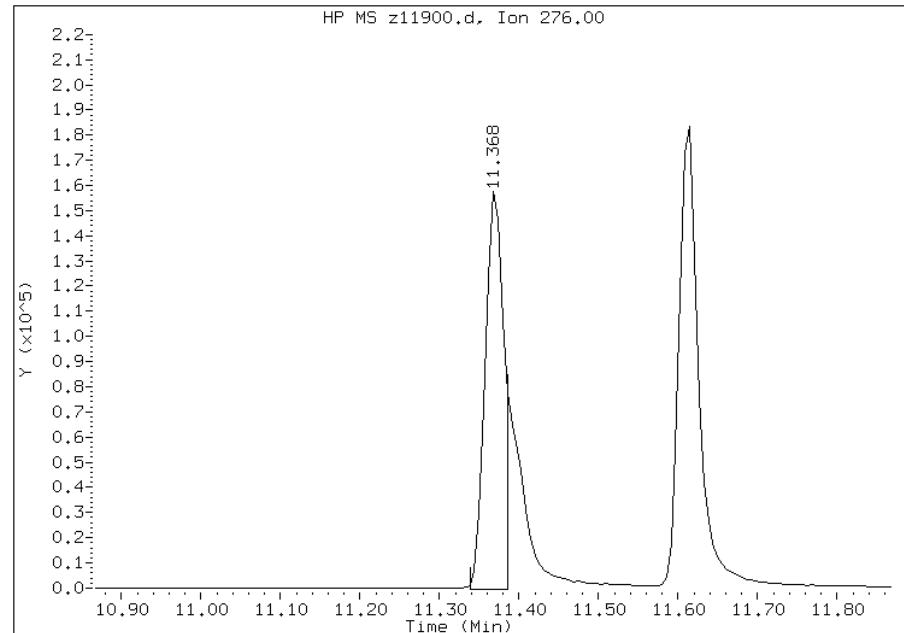
### Processing Integration Results

RT: 11.37  
Response: 354367  
Amount: 76  
Conc: 5596



### Manual Integration Results

RT: 11.37  
Response: 256098  
Amount: 58  
Conc: 4255



Manually Integrated By: wahied  
Manual Integration Reason:

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_

Lab Sample ID: 460-43236-M-9-A MSD

Matrix: Water

Lab File ID: x29284.d

Analysis Method: 8270C

Date Collected: \_\_\_\_\_

Extract. Method: 3510C

Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL)

Date Analyzed: 08/14/2012 16:19

Con. Extract Vol.: 2 (mL)

Dilution Factor: 1

Injection Volume: 1 (uL)

Level: (low/med) Low

% Moisture: \_\_\_\_\_

GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	29.6		10	0.81
95-57-8	2-Chlorophenol	87.7		10	2.2
95-48-7	2-Methylphenol	72.5		10	1.8
106-44-5	4-Methylphenol	66.2		10	1.6
100-52-7	Benzaldehyde	101		10	2.0
98-86-2	Acetophenone	101		10	2.7
111-44-4	Bis(2-chloroethyl)ether	94.1		1.0	0.28
108-60-1	2,2'-oxybis[1-chloropropane]	95.4		10	2.0
621-64-7	N-Nitrosodi-n-propylamine	95.7		1.0	0.25
98-95-3	Nitrobenzene	111		1.0	0.30
67-72-1	Hexachloroethane	93.7		1.0	0.25
78-59-1	Isophorone	106		10	2.7
88-75-5	2-Nitrophenol	124		10	2.4
105-67-9	2,4-Dimethylphenol	105		10	3.4
120-83-2	2,4-Dichlorophenol	107		10	2.6
111-91-1	Bis(2-chloroethoxy)methane	110		10	2.6
91-20-3	Naphthalene	95.4		10	2.7
106-47-8	4-Chloroaniline	78.3		10	2.0
87-68-3	Hexachlorobutadiene	116		2.0	0.57
105-60-2	Caprolactam	22.2		10	2.5
59-50-7	4-Chloro-3-methylphenol	106		10	2.5
91-57-6	2-Methylnaphthalene	121		10	3.0
118-74-1	Hexachlorobenzene	106		1.0	0.29
77-47-4	Hexachlorocyclopentadiene	77.2		10	1.7
88-06-2	2,4,6-Trichlorophenol	104		10	2.4
95-95-4	2,4,5-Trichlorophenol	101		10	2.6
92-52-4	Diphenyl	101		10	2.8
91-58-7	2-Chloronaphthalene	97.3		10	2.7
88-74-4	2-Nitroaniline	80.3		20	4.9
606-20-2	2,6-Dinitrotoluene	99.2		2.0	0.61
131-11-3	Dimethyl phthalate	102		10	2.8
208-96-8	Acenaphthylene	94.8		10	2.7
99-09-2	3-Nitroaniline	69.3		20	5.0
83-32-9	Acenaphthene	100		10	2.7

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43236-M-9-A MSD

Matrix: Water Lab File ID: x29284.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3510C Date Extracted: 08/09/2012 13:03

Sample wt/vol: 1000 (mL) Date Analyzed: 08/14/2012 16:19

Con. Extract Vol.: 2 (mL) Dilution Factor: 1

Injection Volume: 1 (uL) Level: (low/med) Low

% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N

Analysis Batch No.: 124292 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	47.7		30	6.7
51-28-5	2,4-Dinitrophenol	110		30	5.4
132-64-9	Dibenzofuran	99.1		10	2.8
84-66-2	Diethyl phthalate	95.1		10	2.9
86-73-7	Fluorene	98.5		10	2.8
206-44-0	Fluoranthene	97.7		10	3.2
84-74-2	Di-n-butyl phthalate	95.7		10	2.9
121-14-2	2,4-Dinitrotoluene	98.5		2.0	0.47
7005-72-3	4-Chlorophenyl phenyl ether	95.6		10	2.5
100-01-6	4-Nitroaniline	65.0		20	5.8
534-52-1	4,6-Dinitro-2-methylphenol	116		30	4.7
101-55-3	4-Bromophenyl phenyl ether	104		10	2.5
1912-24-9	Atrazine	64.0		10	3.0
120-12-7	Anthracene	97.3		10	2.8
86-74-8	Carbazole	94.6		10	3.2
85-01-8	Phenanthrene	101		10	3.1
87-86-5	Pentachlorophenol	112		30	5.3
129-00-0	Pyrene	98.8		10	2.9
218-01-9	Chrysene	101		10	3.1
207-08-9	Benzo[k]fluoranthene	92.3		1.0	0.26
191-24-2	Benzo[g,h,i]perylene	109		10	2.0
205-99-2	Benzo[b]fluoranthene	95.4		1.0	0.26
50-32-8	Benzo[a]pyrene	96.3		1.0	0.14
56-55-3	Benzo[a]anthracene	96.0		1.0	0.27
86-30-6	N-Nitrosodiphenylamine	106		10	2.9
85-68-7	Butyl benzyl phthalate	96.9		10	2.5
117-81-7	Bis(2-ethylhexyl) phthalate	99.8		10	2.0
117-84-0	Di-n-octyl phthalate	94.2		10	1.5
193-39-5	Indeno[1,2,3-cd]pyrene	100		1.0	0.15
53-70-3	Dibenz(a,h)anthracene	111		1.0	0.090
91-94-1	3,3'-Dichlorobenzidine	55.7		20	4.9
95-94-3	1,2,4,5-Tetrachlorobenzene	91.7		10	2.6
58-90-2	2,3,4,6-Tetrachlorophenol	100		10	2.5

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID:	Lab Sample ID: <u>460-43236-M-9-A MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>x29284.d</u>
Analysis Method: <u>8270C</u>	Date Collected:
Extract. Method: <u>3510C</u>	Date Extracted: <u>08/09/2012 13:03</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>08/14/2012 16:19</u>
Con. Extract Vol.: <u>2 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	Level: (low/med) <u>Low</u>
% Moisture:	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>124292</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	114	X	56-112
4165-62-2	Phenol-d5	26		10-48
1718-51-0	Terphenyl-d14	80		50-122
118-79-6	2,4,6-Tribromophenol	104		46-122
367-12-4	2-Fluorophenol	45		10-65
321-60-8	2-Fluorobiphenyl	96		53-108

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29284.d  
Report Date: 15-Aug-2012 09:27

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29284.d  
Lab Smp Id: 460-43236-M-9-A MSD  
Inj Date : 14-AUG-2012 16:19  
Operator : BNAMS 4 Inst ID: BNAMS5.i  
Smp Info : 460-43236-M-9-A MSD  
Misc Info : 460-43236-M-9-A MSD  
Comment :  
Method : /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/8270C\_11.m  
Meth Date : 14-Aug-2012 14:36 croccom Quant Type: ISTD  
Cal Date : 11-AUG-2012 14:22 Cal File: x29156.d  
Als bottle: 7 QC Sample: MSD  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all-h20.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* 1000\*Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	2.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
106 1,4-Dioxane	88	1.064	1.052	(0.304)	190330	21.7059	43
19 N-Nitrosodimethylamine	74	1.253	1.252	(0.358)	287082	23.9042	48
71 Pyridine	79	1.276	1.270	(0.365)	423985	20.1025	40
\$ 16 2-Fluorophenol (SUR)	112	2.276	2.276	(0.650)	437304	22.3739	45
110 Benzaldehyde	77	3.052	3.052	(0.872)	556171	50.7381	100
\$ 17 Phenol-d5 (SUR)	99	3.182	3.188	(0.909)	307603	13.1248	26
1 Phenol	94	3.194	3.199	(0.913)	383385	14.7823	30
73 Aniline	93	3.170	3.170	(0.906)	713333	24.2592	48
20 bis(2-Chloroethyl)ether	93	3.247	3.252	(0.928)	989634	47.0359	94
2 2-Chlorophenol	128	3.294	3.299	(0.941)	944539	43.8278	88
113 n-decane	43	3.364	3.364	(0.961)	821816	40.4463	81
21 1,3-Dichlorobenzene	146	3.441	3.446	(0.983)	1156482	45.7542	92
* 79 1,4-Dichlorobenzene-d4	152	3.499	3.499	(1.000)	599569	40.0000	
22 1,4-Dichlorobenzene	146	3.517	3.517	(1.005)	1161218	46.7382	93
74 Benzyl Alcohol	108	3.676	3.676	(1.050)	422926	38.4140	77

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29284.d  
 Report Date: 15-Aug-2012 09:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
23 1,2-Dichlorobenzene	146	3.676	3.670	(1.050)	1.076256	46.9607	94
3 2-Methylphenol	108	3.823	3.817	(1.092)	634059	36.2525	72
24 bis (2-chloroisopropyl) ether	45	3.805	3.805	(1.087)	1056292	47.6786	95
4 4-Methylphenol	108	3.994	3.976	(1.141)	563595	33.0890	66
123 3 & 4 Methylphenol	108	3.994	3.976	(1.141)	572343	32.9526	66
104 Acetophenone	105	3.935	3.941	(1.124)	1292273	50.4988	100
25 N-Nitroso-di-n-propylamine	70	3.958	3.952	(1.131)	666918	47.8310	96
26 Hexachloroethane	117	4.011	4.011	(1.146)	414190	46.8325	94
\$ 76 Nitrobenzene-d5 (SUR)	82	4.082	4.082	(0.849)	1008192	56.7903	110(R)
27 Nitrobenzene	77	4.105	4.105	(0.854)	1243775	55.6494	110(R)
107 N,N-Dimethylaniline	120	4.111	4.111	(1.175)	1143395	40.8402	82
28 Isophorone	82	4.358	4.352	(0.907)	1458235	52.7919	100
5 2-Nitrophenol	139	4.429	4.423	(0.922)	551581	62.2096	120(R)
6 2,4-Dimethylphenol	122	4.529	4.511	(0.942)	717921	52.3523	100(R)
29 bis(2-Chloroethoxy)methane	93	4.599	4.593	(0.957)	922423	55.1834	110(R)
7 2,4-Dichlorophenol	162	4.693	4.682	(0.977)	682804	53.5652	110(R)
30 1,2,4-Trichlorobenzene	180	4.752	4.752	(0.989)	740805	49.7037	99(R)
* 80 Naphthalene-d8	136	4.805	4.799	(1.000)	1691513	40.0000	
31 Naphthalene	128	4.823	4.823	(1.004)	2165221	47.7087	95
32 4-Chloroaniline	127	4.905	4.899	(1.021)	632425	39.1259	78(M)
33 Hexachlorobutadiene	225	4.964	4.964	(1.033)	519570	58.0910	120(R)
111 Caprolactam	113	5.364	5.293	(1.116)	38200	11.0964	22(H)
8 4-Chloro-3-methylphenol	107	5.446	5.435	(1.133)	639314	53.1047	110(R)
34 2-Methylnaphthalene	142	5.523	5.517	(1.149)	1704364	60.3734	120(R)
120 1-Methylnaphthalene	142	5.617	5.617	(1.169)	1669376	57.3831	110
35 Hexachlorocyclopentadiene	237	5.688	5.687	(0.869)	330419	38.5992	77
129 1,2,4,5-Tetrachlorobenzene	216	5.693	5.693	(0.870)	752968	45.8645	92
9 2,4,6-Trichlorophenol	196	5.829	5.823	(0.890)	521567	52.0737	100
10 2,4,5-Trichlorophenol	196	5.876	5.864	(0.898)	510669	50.5151	100
\$ 77 2-Fluorobiphenyl (SUR)	172	5.905	5.899	(0.902)	1737362	47.8620	96
102 Diphenyl	154	5.993	5.993	(0.916)	1866495	50.6760	100
36 2-Chloronaphthalene	162	6.005	5.999	(0.917)	1405963	48.6598	97
103 Diphenyl Ether	170	6.099	6.099	(0.932)	1085235	50.1707	100
37 2-Nitroaniline	65	6.129	6.123	(0.936)	371999	40.1630	80
125 1,3-Dimethylnaphthalene	156	6.217	6.223	(0.950)	40502	1.61963	3.2(a)
38 Dimethylphthalate	163	6.329	6.317	(0.967)	1473116	50.9082	100
40 2,6-Dinitrotoluene	165	6.376	6.370	(0.974)	347055	49.5916	99
39 Acenaphthylene	152	6.405	6.405	(0.978)	2157778	47.3847	95
41 3-Nitroaniline	138	6.535	6.529	(0.998)	232081	34.6725	69
* 82 Acenaphthene-d10	164	6.546	6.540	(1.000)	987362	40.0000	
42 Acenaphthene	154	6.576	6.576	(1.004)	1320059	50.0433	100
11 2,4-Dinitrophenol	184	6.640	6.634	(1.014)	179932	55.2261	110
12 4-Nitrophenol	65	6.770	6.740	(1.034)	112771	23.8633	48(R)
44 2,4-Dinitrotoluene	165	6.764	6.764	(1.033)	413505	49.2303	98
43 Dibenzofuran	168	6.746	6.746	(1.031)	1896664	49.5250	99
130 2,3,4,6-Tetrachlorophenol	232	6.887	6.882	(1.052)	354375	50.0487	100
45 Diethylphthalate	149	7.017	7.011	(1.072)	1293917	47.5413	95

Data File: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b/x29284.d  
 Report Date: 15-Aug-2012 09:27

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
46 4-Chlorophenyl-phenylether	204	7.093	7.093 (1.084)		731951	47.7785	96
47 Fluorene	166	7.082	7.082 (1.082)		1469501	49.2439	98
48 4-Nitroaniline	138	7.135	7.129 (1.090)		178996	32.5134	65
13 4,6-Dinitro-2-methylphenol	198	7.164	7.158 (0.897)		241218	58.0312	120(R)
49 N-Nitrosodiphenylamine	169	7.223	7.217 (0.904)		1010167	52.9080	100
75 1,2-Diphenylhydrazine	77	7.252	7.246 (0.908)		1277169	40.9495	82
\$ 18 2,4,6-Tribromophenol (SUR)	330	7.323	7.317 (1.119)		266994	51.9637	100
50 4-Bromophenyl-phenylether	248	7.570	7.564 (0.948)		444022	52.1223	100
51 Hexachlorobenzene	284	7.623	7.617 (0.954)		513780	53.2027	110
112 Atrazine	200	7.770	7.758 (0.973)		196631	31.9783	64
14 Pentachlorophenol	266	7.829	7.823 (0.980)		260413	55.8067	110
115 n-Octadecane	57	7.946	7.946 (0.995)		785033	47.1503	94
* 83 Phenanthrene-d10	188	7.987	7.981 (1.000)		1230742	40.0000	
52 Phenanthrene	178	8.011	8.005 (1.003)		1739396	50.3210	100
53 Anthracene	178	8.058	8.058 (1.009)		1674618	48.6677	97
54 Carbazole	167	8.234	8.229 (1.031)		1301791	47.3168	95
55 Di-n-butylphthalate	149	8.605	8.599 (1.077)		1613098	47.8417	96
56 Fluoranthene	202	9.158	9.158 (1.147)		1452142	48.8483	98
57 Pyrene	202	9.376	9.370 (0.887)		1393112	49.3815	99
\$ 78 Terphenyl-d14	244	9.552	9.552 (0.903)		854110	40.1566	80
59 Butylbenzylphthalate	149	10.046	10.046 (0.950)		497727	48.4709	97
60 3,3'-Dichlorobenzidine	252	10.558	10.558 (0.998)		183899	27.8566	56(R)
61 Benzo(a)anthracene	228	10.564	10.564 (0.999)		1009742	48.0135	96
* 81 Chrysene-d12	240	10.575	10.570 (1.000)		684948	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	10.658	10.658 (1.008)		669160	49.9232	100
62 Chrysene	228	10.599	10.599 (1.002)		962463	50.6007	100
64 Di-n-octylphthalate	149	11.393	11.393 (0.931)		975505	47.0908	94
65 Benzo(b)fluoranthene	252	11.775	11.775 (0.962)		836631	47.6981	95
66 Benzo(k)fluoranthene	252	11.811	11.811 (0.965)		882111	46.1605	92
67 Benzo(a)pyrene	252	12.164	12.164 (0.994)		676542	48.1622	96
* 84 Perylene-d12	264	12.234	12.234 (1.000)		586171	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	13.558	13.558 (1.108)		687444	50.0183	100
69 Dibenz(a,h)anthracene	278	13.593	13.587 (1.111)		743269	55.6544	110
70 Benzo(g,h,i)perylene	276	13.875	13.875 (1.134)		743494	54.2877	110

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: x29284.d

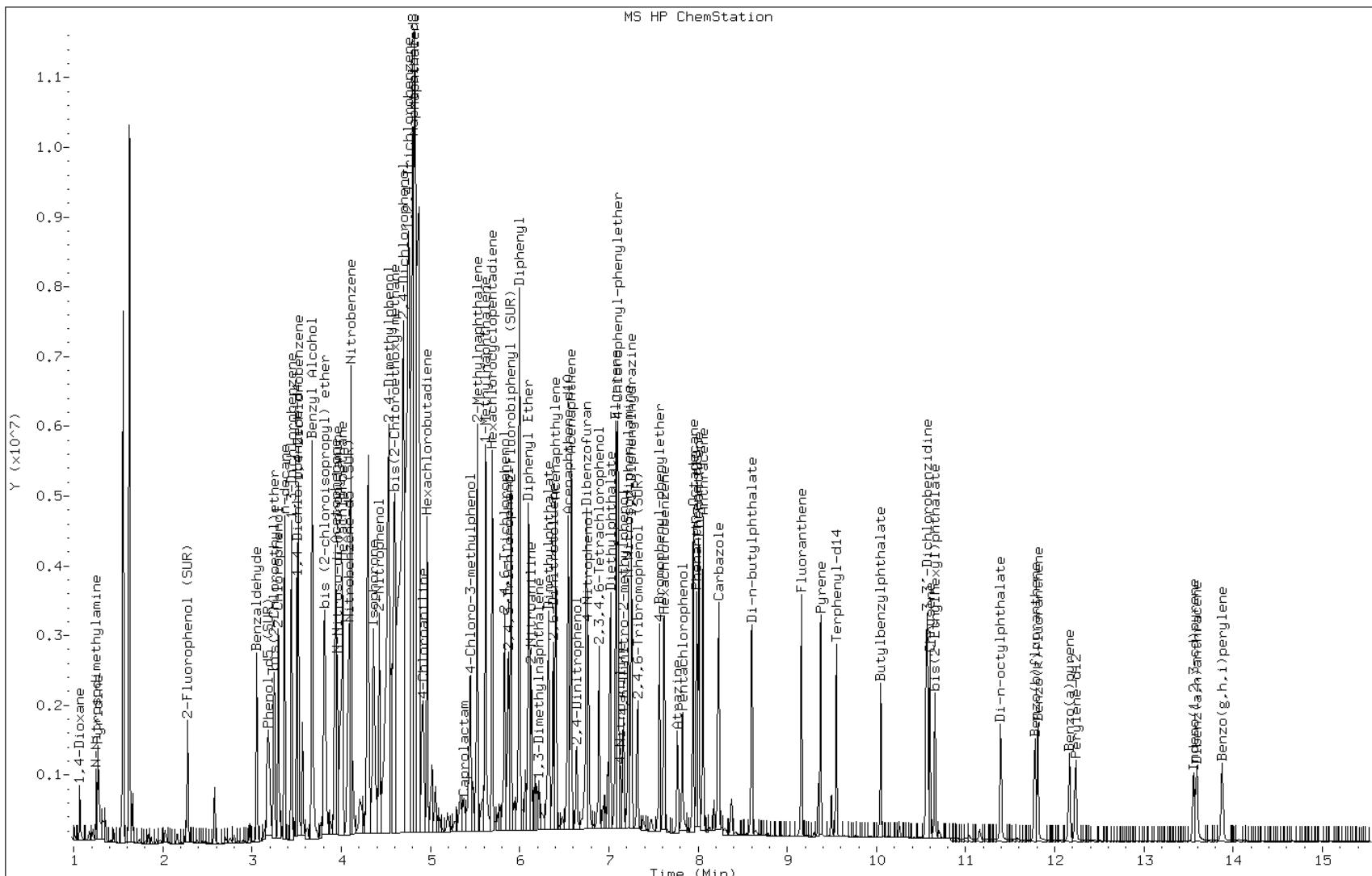
Date: 14-AUG-2012 16:19

Client ID:

Instrument: BNAMS5.i

Sample Info: 460-43236-M-9-A MSD

Operator: BNAMS 4

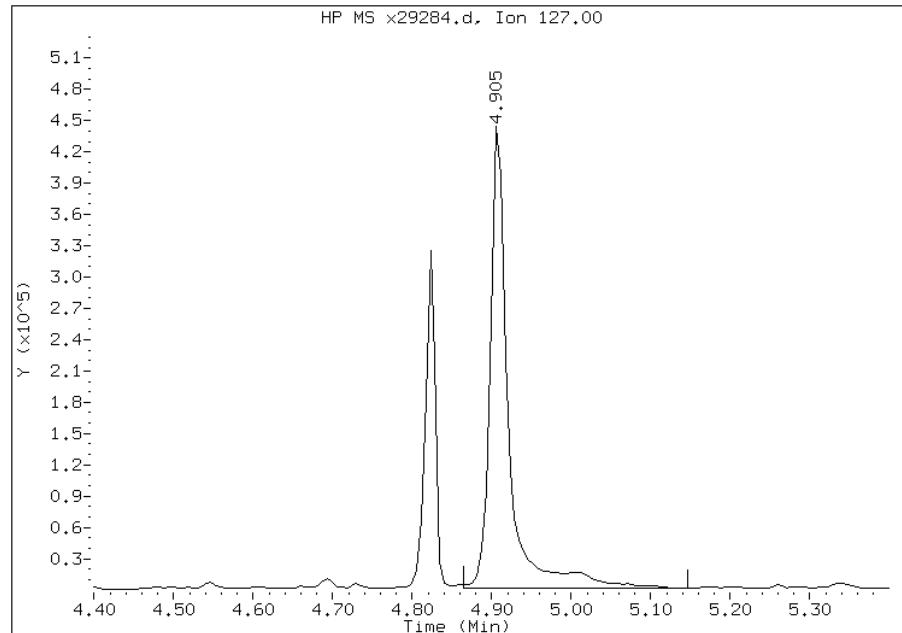


## Manual Integration Report

Data File: x29284.d  
Inj. Date and Time: 14-AUG-2012 16:19  
Instrument ID: BNAMS5.i  
Client ID:  
Compound: 32 4-Chloroaniline  
CAS #: 106-47-8  
Report Date: 08/16/2012

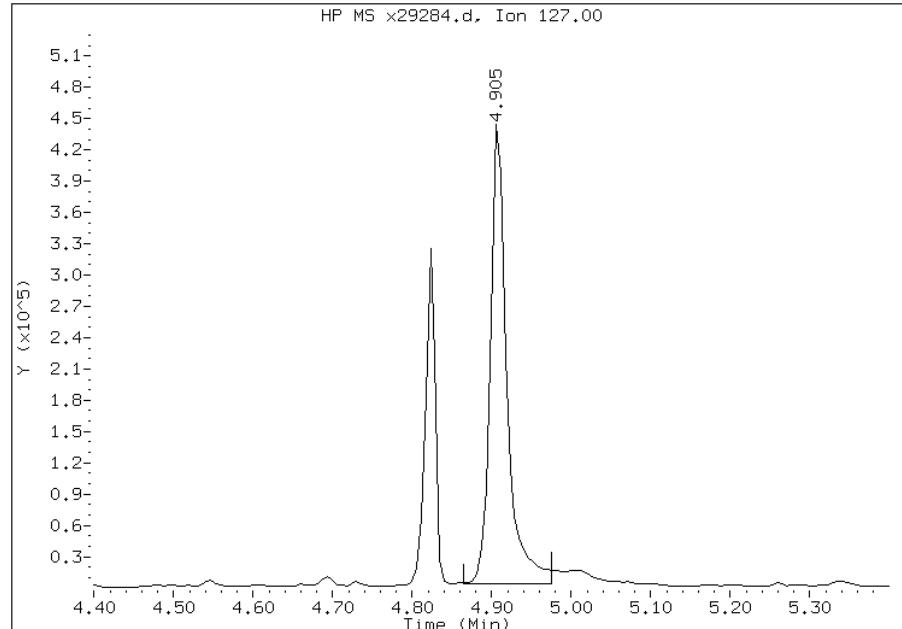
### Processing Integration Results

RT: 4.91  
Response: 714133  
Amount: 44  
Conc: 88



### Manual Integration Results

RT: 4.91  
Response: 632425  
Amount: 39  
Conc: 78



Manually Integrated By: wahied  
Manual Integration Reason: Peak Tailing or Fronting

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43228-A-4-B MSD

Matrix: Solid Lab File ID: z11901.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.01(g) Date Analyzed: 08/15/2012 10:32

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-95-2	Phenol	5200		370	49
95-57-8	2-Chlorophenol	5640		370	48
95-48-7	2-Methylphenol	5960		370	63
106-44-5	4-Methylphenol	5950		370	72
100-52-7	Benzaldehyde	1380		370	43
98-86-2	Acetophenone	2890		370	56
111-44-4	Bis(2-chloroethyl)ether	3290		37	5.0
108-60-1	2,2'-oxybis[1-chloropropane]	2750		370	41
621-64-7	N-Nitrosodi-n-propylamine	2890		37	6.1
98-95-3	Nitrobenzene	3100		37	5.2
67-72-1	Hexachloroethane	3020		37	4.1
78-59-1	Isophorone	3070		370	44
88-75-5	2-Nitrophenol	6420		370	41
105-67-9	2,4-Dimethylphenol	6250		370	91
120-83-2	2,4-Dichlorophenol	5840		370	54
111-91-1	Bis(2-chloroethoxy)methane	3260		370	47
91-20-3	Naphthalene	3160		370	42
106-47-8	4-Chloroaniline	1750		370	97
87-68-3	Hexachlorobutadiene	3150		74	9.0
105-60-2	Caprolactam	2560		370	85
59-50-7	4-Chloro-3-methylphenol	5830		370	55
91-57-6	2-Methylnaphthalene	3360		370	47
118-74-1	Hexachlorobenzene	3430		37	5.0
77-47-4	Hexachlorocyclopentadiene	1260		370	43
88-06-2	2,4,6-Trichlorophenol	5860		370	43
95-95-4	2,4,5-Trichlorophenol	5950		370	47
92-52-4	Diphenyl	3450		370	49
91-58-7	2-Chloronaphthalene	3400		370	41
88-74-4	2-Nitroaniline	2900		740	150
606-20-2	2,6-Dinitrotoluene	3260		74	11
131-11-3	Dimethyl phthalate	3230		370	43
208-96-8	Acenaphthylene	3070		370	43
99-09-2	3-Nitroaniline	2300		740	130
83-32-9	Acenaphthene	3300		370	53

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43228-A-4-B MSD

Matrix: Solid Lab File ID: z11901.d

Analysis Method: 8270C Date Collected: \_\_\_\_\_

Extract. Method: 3541 Date Extracted: 08/10/2012 09:24

Sample wt/vol: 15.01(g) Date Analyzed: 08/15/2012 10:32

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-02-7	4-Nitrophenol	3390		1100	240
51-28-5	2,4-Dinitrophenol	1020	J	1100	210
132-64-9	Dibenzofuran	3170		370	43
84-66-2	Diethyl phthalate	3300		370	44
86-73-7	Fluorene	3180		370	47
206-44-0	Fluoranthene	3320		370	49
84-74-2	Di-n-butyl phthalate	3420		370	45
121-14-2	2,4-Dinitrotoluene	3160		74	12
7005-72-3	4-Chlorophenyl phenyl ether	3240		370	43
100-01-6	4-Nitroaniline	2580		740	110
534-52-1	4,6-Dinitro-2-methylphenol	2610		1100	100
101-55-3	4-Bromophenyl phenyl ether	3590		370	36
1912-24-9	Atrazine	3360		370	57
120-12-7	Anthracene	3270		370	45
86-74-8	Carbazole	3360		370	43
85-01-8	Phenanthrene	3300		370	47
87-86-5	Pentachlorophenol	4750		1100	110
129-00-0	Pyrene	2780		370	31
218-01-9	Chrysene	3320		370	43
207-08-9	Benzo[k]fluoranthene	3170		37	2.8
191-24-2	Benzo[g,h,i]perylene	4830		370	27
205-99-2	Benzo[b]fluoranthene	2900		37	2.3
50-32-8	Benzo[a]pyrene	3440		37	2.6
56-55-3	Benzo[a]anthracene	3350		37	2.6
86-30-6	N-Nitrosodiphenylamine	3550		370	36
85-68-7	Butyl benzyl phthalate	3170		370	34
117-81-7	Bis(2-ethylhexyl) phthalate	3240		370	120
117-84-0	Di-n-octyl phthalate	2470		370	23
193-39-5	Indeno[1,2,3-cd]pyrene	4520		37	6.8
53-70-3	Dibenz(a,h)anthracene	4450		37	4.6
91-94-1	3,3'-Dichlorobenzidine	3700		740	130
95-94-3	1,2,4,5-Tetrachlorobenzene	3200		370	49
58-90-2	2,3,4,6-Tetrachlorophenol	2510		370	48

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: 460-43228-A-4-B MSD  
Matrix: Solid Lab File ID: z11901.d  
Analysis Method: 8270C Date Collected: \_\_\_\_\_  
Extract. Method: 3541 Date Extracted: 08/10/2012 09:24  
Sample wt/vol: 15.01(g) Date Analyzed: 08/15/2012 10:32  
Con. Extract Vol.: 1(mL) Dilution Factor: 1  
Injection Volume: 1(uL) Level: (low/med) Low  
% Moisture: 9.9 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 124158 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	66		38-105
4165-62-2	Phenol-d5	63		41-118
1718-51-0	Terphenyl-d14	61		16-151
118-79-6	2,4,6-Tribromophenol	55		10-120
367-12-4	2-Fluorophenol	66		37-125
321-60-8	2-Fluorobiphenyl	74		40-109

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11901.d  
Report Date: 15-Aug-2012 11:40

TestAmerica

SEMI-VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11901.d  
Lab Smp Id: 460-43228-A-4-B MSD Client Smp ID: L002.1 36-42"  
Inj Date : 15-AUG-2012 10:32  
Operator : BNAMS 4 Inst ID: BNAMS11.i  
Smp Info : 460-43228-A-4-B MSD  
Misc Info : 460-43228-A-4-B MSD  
Comment :  
Method : /chem/BNAMS11.i/8270/08-06-12/15aug12.b/8270C\_11.m  
Meth Date : 15-Aug-2012 02:27 asfawa Quant Type: ISTD  
Cal Date : 06-AUG-2012 15:40 Cal File: z11529.d  
Als bottle: 27 QC Sample: MSD  
Dil Factor: 1.00000  
Integrator: HP RTE Compound Sublist: all.sub  
Target Version: 3.50  
Processing Host: hpd1

Concentration Formula: Amt \* DF \* Uf\*1000\*Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	1.00000	Volume of final extract (ml)
Ws	15.01000	Weight of sample extracted (g)
M	9.90502	% Moisture

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
106 1,4-Dioxane	88	0.427	0.380	(0.200)		31048	19.2342	1400(H)
19 N-Nitrosodimethylamine	74	0.492	0.439	(0.231)		142778	32.0815	2400(H)
71 Pyridine	79	0.498	0.445	(0.233)		202885	25.6681	1900
\$ 16 2-Fluorophenol (SUR)	112	1.174	1.121	(0.550)		574888	65.7200	4800
110 Benzaldehyde	77	1.756	1.739	(0.823)		63172	18.6490	1400
\$ 17 Phenol-d5 (SUR)	99	1.939	1.927	(0.909)		679114	62.6247	4600
1 Phenol	94	1.950	1.933	(0.914)		808169	70.3420	5200
73 Aniline	93	1.862	1.851	(0.873)		300669	24.3325	1800
20 bis(2-Chloroethyl)ether	93	1.962	1.945	(0.920)		388251	44.5352	3300
2 2-Chlorophenol	128	1.968	1.956	(0.923)		791905	76.3112	5600
113 n-decane	43	2.050	2.045	(0.961)		264928	31.2376	2300
21 1,3-Dichlorobenzene	146	2.074	2.068	(0.972)		444235	40.6610	3000
* 79 1,4-Dichlorobenzene-d4	152	2.133	2.127	(1.000)		275653	40.0000	

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11901.d  
 Report Date: 15-Aug-2012 11:40

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug/ml)	FINAL (ug/Kg)
22 1,4-Dichlorobenzene		146	2.150	2.145 (1.008)		451874	40.7428	3000
74 Benzyl Alcohol		108	2.350	2.333 (1.102)		173442	33.7351	2500
23 1,2-Dichlorobenzene		146	2.280	2.274 (1.069)		432064	41.0805	3000
3 2-Methylphenol		108	2.497	2.503 (1.171)		701553	80.6524	6000
24 bis (2-chloroisopropyl) ether		45	2.456	2.456 (1.152)		420999	37.2238	2800
4 4-Methylphenol		108	2.686	2.674 (1.259)		709698	80.4622	5900
123 3 & 4 Methylphenol		108	2.686	2.674 (1.259)		641396	75.5799	5600
104 Acetophenone		105	2.580	2.574 (1.210)		468030	39.0515	2900
25 N-Nitroso-di-n-propylamine		70	2.621	2.615 (1.229)		240516	39.0746	2900
26 Hexachloroethane		117	2.592	2.598 (1.215)		175720	40.9067	3000
\$ 76 Nitrobenzene-d5 (SUR)		82	2.709	2.703 (0.787)		296278	33.1537	2400
27 Nitrobenzene		77	2.733	2.733 (0.793)		482274	41.9829	3100
107 N,N-Dimethylaniline		120	2.739	2.739 (1.284)		572758	40.8447	3000
28 Isophorone		82	3.027	3.003 (0.879)		578466	41.4578	3100
5 2-Nitrophenol		139	3.068	3.062 (0.891)		450759	86.8050	6400
6 2,4-Dimethylphenol		122	3.239	3.227 (0.940)		656957	84.5675	6200
29 bis(2-Chloroethoxy)methane		93	3.309	3.303 (0.961)		410125	44.0899	3300
15 Benzoic Acid		122	3.515	3.556 (1.020)		90496	17.9590	1300(M)
7 2,4-Dichlorophenol		162	3.374	3.368 (0.980)		551583	78.9564	5800
30 1,2,4-Trichlorobenzene		180	3.409	3.409 (0.990)		349253	43.3748	3200
* 80 Naphthalene-d8		136	3.444	3.445 (1.000)		1007077	40.0000	
31 Naphthalene		128	3.468	3.468 (1.007)		1138947	42.7942	3200
32 4-Chloroaniline		127	3.597	3.598 (1.044)		233912	23.6026	1700
33 Hexachlorobutadiene		225	3.644	3.645 (1.058)		191869	42.6367	3200
111 Caprolactam		113	4.086	4.068 (1.186)		69511	34.5783	2600
8 4-Chloro-3-methylphenol		107	4.227	4.215 (1.227)		495948	78.7972	5800
34 2-Methylnaphthalene		142	4.203	4.203 (1.220)		899832	45.4512	3400
120 1-Methylnaphthalene		142	4.297	4.297 (1.248)		636448	37.2249	2800
35 Hexachlorocyclopentadiene		237	4.380	4.380 (0.839)		49577	17.0053	1200
129 1,2,4,5-Tetrachlorobenzene		216	4.386	4.392 (0.840)		288465	43.2156	3200
9 2,4,6-Trichlorophenol		196	4.550	4.550 (0.872)		330753	79.2601	5900
10 2,4,5-Trichlorophenol		196	4.597	4.597 (0.881)		333192	80.5145	6000
\$ 77 2-Fluorobiphenyl (SUR)		172	4.615	4.615 (0.884)		569216	36.9888	2700
102 Diphenyl		154	4.697	4.697 (0.900)		764861	46.7147	3400
36 2-Chloronaphthalene		162	4.686	4.686 (0.897)		576704	45.9368	3400
103 Diphenyl Ether		170	4.815	4.815 (0.922)		416722	46.2247	3400
37 2-Nitroaniline		65	4.844	4.850 (0.928)		129732	39.2456	2900
38 Dimethylphthalate		163	5.074	5.074 (0.972)		544124	43.6599	3200
40 2,6-Dinitrotoluene		165	5.115	5.115 (0.980)		128172	44.0251	3200
39 Acenaphthylene		152	5.074	5.074 (0.972)		811137	41.4788	3100
41 3-Nitroaniline		138	5.256	5.262 (1.007)		92897	31.0538	2300
* 82 Acenaphthene-d10		164	5.221	5.221 (1.000)		429560	40.0000	
42 Acenaphthene		154	5.250	5.250 (1.006)		517676	44.5975	3300
11 2,4-Dinitrophenol		184	5.397	5.386 (1.034)		19259	13.7464	1000(a)
12 4-Nitrophenol		65	5.550	5.550 (1.063)		66301	45.8866	3400
44 2,4-Dinitrotoluene		165	5.503	5.503 (1.054)		151897	42.6809	3200
43 Dibenzofuran		168	5.421	5.427 (1.038)		706413	42.8504	3200

Data File: /chem/BNAMS11.i/8270/08-06-12/15aug12.b/z11901.d  
 Report Date: 15-Aug-2012 11:40

Compounds	QUANT SIG	CONCENTRATIONS					
		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)
130 2,3,4,6-Tetrachlorophenol	232	5.591	5.592	(1.071)	94380	33.9101	2500(R)
45 Diethylphthalate	149	5.762	5.762	(1.104)	510136	44.6086	3300
46 4-Chlorophenyl-phenylether	204	5.797	5.797	(1.110)	277277	43.8311	3200
47 Fluorene	166	5.750	5.750	(1.101)	551762	42.9595	3200
48 4-Nitroaniline	138	5.850	5.850	(1.121)	85815	34.9096	2600
13 4,6-Dinitro-2-methylphenol	198	5.897	5.897	(0.891)	58796	35.3472	2600
49 N-Nitrosodiphenylamine	169	5.933	5.927	(0.896)	368510	47.9771	3500
75 1,2-Diphenylhydrazine	77	5.944	5.944	(0.898)	483068	39.0303	2900
\$ 18 2,4,6-Tribromophenol (SUR)	330	5.991	5.992	(1.148)	102490	55.2374	4100
50 4-Bromophenyl-phenylether	248	6.250	6.250	(0.944)	146686	48.5382	3600
51 Hexachlorobenzene	284	6.274	6.274	(0.948)	153006	46.4088	3400
112 Atrazine	200	6.497	6.497	(0.981)	110477	45.3943	3400
14 Pentachlorophenol	266	6.503	6.503	(0.982)	103049	64.2082	4700
115 n-Octadecane	57	6.697	6.703	(1.012)	261601	42.6271	3200
* 83 Phenanthrene-d10	188	6.621	6.621	(1.000)	486493	40.0000	
52 Phenanthrene	178	6.644	6.644	(1.004)	599498	44.6108	3300
53 Anthracene	178	6.691	6.691	(1.011)	593696	44.1949	3300
54 Carbazole	167	6.891	6.891	(1.041)	490201	45.4231	3400
55 Di-n-butylphthalate	149	7.315	7.315	(1.105)	635861	46.2188	3400
56 Fluoranthene	202	7.756	7.756	(1.171)	494922	44.8567	3300
58 Benzidine	184	7.974	7.968	(1.204)	7034	4.05014	300(aR)
57 Pyrene	202	7.956	7.956	(0.873)	472931	37.6139	2800
\$ 78 Terphenyl-d14	244	8.179	8.185	(0.897)	269704	30.7356	2300
59 Butylbenzylphthalate	149	8.703	8.709	(0.955)	201994	42.9276	3200
60 3,3'-Dichlorobenzidine	252	9.138	9.144	(1.003)	101088	50.0909	3700
61 Benzo(a)anthracene	228	9.103	9.109	(0.999)	341208	45.3455	3400
* 81 Chrysene-d12	240	9.115	9.115	(1.000)	253423	40.0000	
63 bis(2-Ethylhexyl)phthalate	149	9.303	9.303	(1.021)	267044	43.8334	3200
62 Chrysene	228	9.138	9.138	(1.003)	336261	44.8785	3300
64 Di-n-octylphthalate	149	9.885	9.891	(0.953)	400460	33.3831	2500
65 Benzo(b)fluoranthene	252	10.056	10.062	(0.969)	294615	39.1956	2900
66 Benzo(k)fluoranthene	252	10.079	10.079	(0.972)	377266	42.8975	3200
67 Benzo(a)pyrene	252	10.320	10.327	(0.995)	275797	46.4945	3400(R)
* 84 Perylene-d12	264	10.373	10.374	(1.000)	237589	40.0000	
68 Indeno(1,2,3-cd)pyrene	276	11.367	11.368	(1.096)	265988	61.1744	4500(RM)
69 Dibenz(a,h)anthracene	278	11.397	11.397	(1.099)	302161	60.2340	4400(R)
70 Benzo(g,h,i)perylene	276	11.609	11.615	(1.119)	320727	65.2655	4800(R)

#### QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: z11901.d

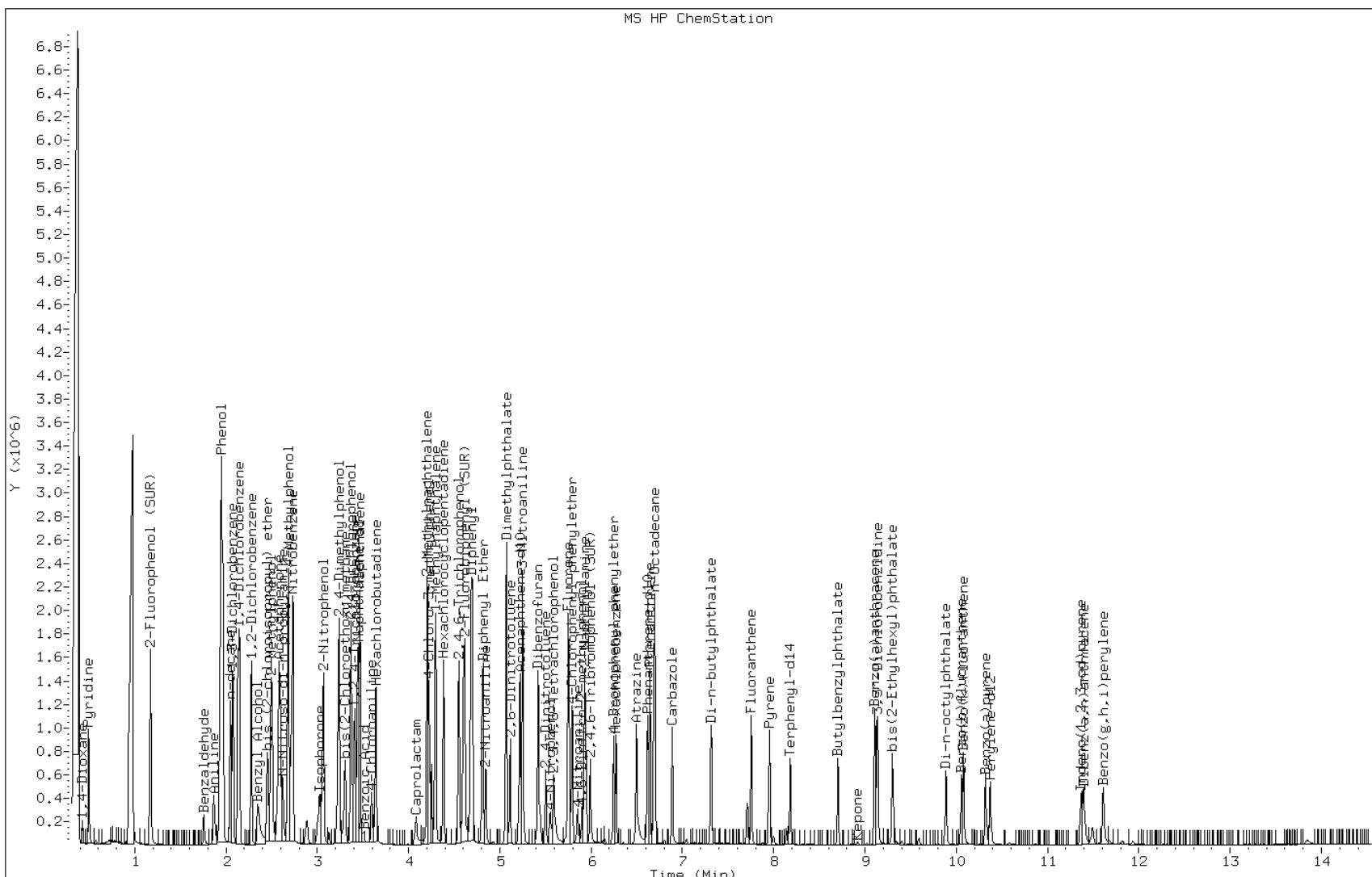
Date: 15-AUG-2012 10:32

Client ID: L002.1 36-42"

Instrument: BNAMS11.i

Sample Info: 460-43228-A-4-B MSD

Operator: BNAMS 4

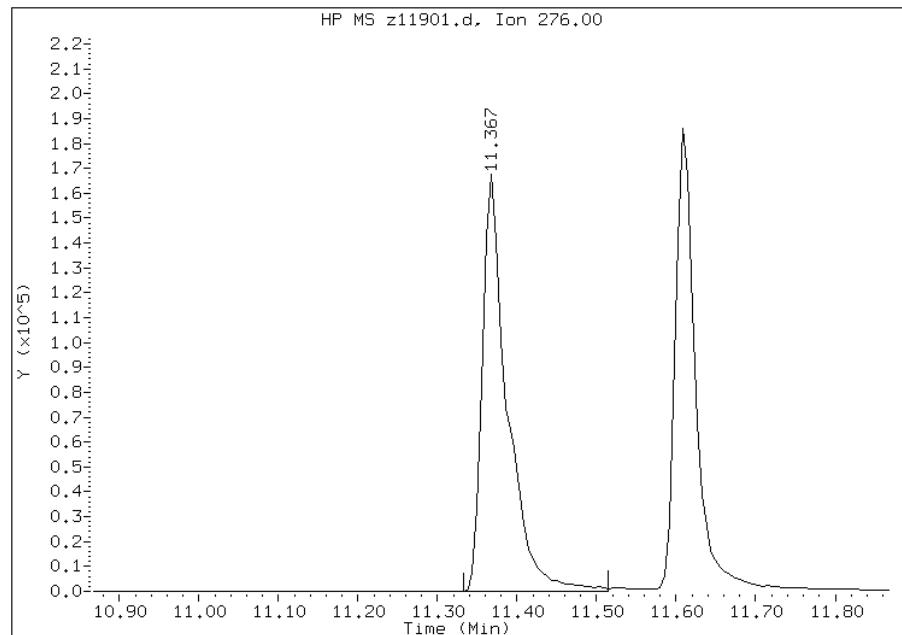


## Manual Integration Report

Data File: z11901.d  
Inj. Date and Time: 15-AUG-2012 10:32  
Instrument ID: BNAMS11.i  
Client ID: L002.1 36-42"  
Compound: 68 Indeno(1,2,3-cd)pyrene  
CAS #: 193-39-5  
Report Date: 08/15/2012

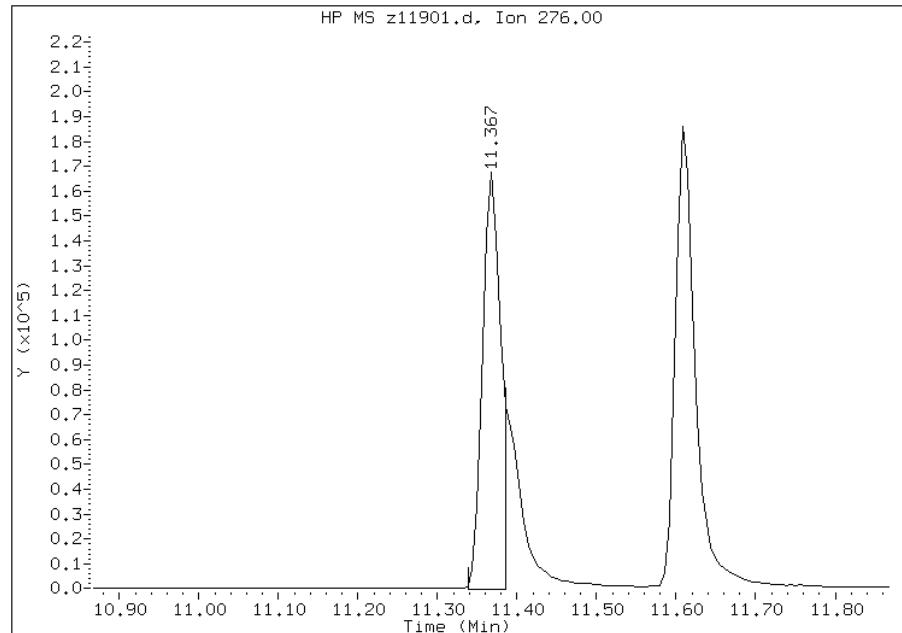
### Processing Integration Results

RT: 11.37  
Response: 360558  
Amount: 79  
Conc: 5827



### Manual Integration Results

RT: 11.37  
Response: 265988  
Amount: 61  
Conc: 4524



Manually Integrated By: wahied  
Manual Integration Reason:

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 Start Date: 08/06/2012 12:37Analysis Batch Number: 122963 End Date: 08/06/2012 15:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-122963/1		08/06/2012 12:37	1	z11523.d	Rtx-5MS 0.25 (mm)
ICIS 460-122963/2		08/06/2012 12:54	1	z11524.d	Rtx-5MS 0.25 (mm)
IC 460-122963/3		08/06/2012 13:26	1	z11525.d	Rtx-5MS 0.25 (mm)
IC 460-122963/4		08/06/2012 13:47	1	z11526.d	Rtx-5MS 0.25 (mm)
IC 460-122963/5		08/06/2012 14:07	1	z11527.d	Rtx-5MS 0.25 (mm)
IC 460-122963/6		08/06/2012 15:20	1	z11528.d	Rtx-5MS 0.25 (mm)
IC 460-122963/7		08/06/2012 15:40	1	z11529.d	Rtx-5MS 0.25 (mm)

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Instrument ID: BNAMS11 Start Date: 08/15/2012 00:37  
Analysis Batch Number: 124158 End Date: 08/15/2012 12:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-124158/1		08/15/2012 00:37	1	z11875.d	Rtx-5MS 0.25 (mm)
CCVIS 460-124158/2		08/15/2012 01:46	1	z11877.d	Rtx-5MS 0.25 (mm)
MB 460-123428/1-A		08/15/2012 02:56	1	z11879.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 03:17	1		Rtx-5MS 0.25 (mm)
460-43235-1	20120807SB-437V0-2N	08/15/2012 04:19	1	z11883.d	Rtx-5MS 0.25 (mm)
460-43235-3	20120807SB-436V0-2N	08/15/2012 04:40	1	z11884.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 05:01	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 05:22	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 05:42	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 06:03	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 06:24	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 06:44	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 07:05	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 07:26	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 07:46	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 08:07	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 08:28	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 08:48	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 09:09	1		Rtx-5MS 0.25 (mm)
LCS 460-123428/2-A		08/15/2012 09:50	1	z11899.d	Rtx-5MS 0.25 (mm)
460-43228-A-4-A MS		08/15/2012 10:11	1	z11900.d	Rtx-5MS 0.25 (mm)
460-43228-A-4-B MSD		08/15/2012 10:32	1	z11901.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 10:52	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 11:13	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 11:34	2		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 12:05	1		Rtx-5MS 0.25 (mm)

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS11 Start Date: 08/15/2012 13:50Analysis Batch Number: 124326 End Date: 08/16/2012 01:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-124326/1		08/15/2012 13:50	1	z11906.d	Rtx-5MS 0.25 (mm)
CCVIS 460-124326/2		08/15/2012 14:07	1	z11907.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 16:05	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 16:26	2		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 16:46	2		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 17:07	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 17:28	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 18:09	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 18:30	25		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 18:50	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 19:32	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 20:54	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 21:36	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 21:57	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 22:17	1		Rtx-5MS 0.25 (mm)
460-43235-4	20120807SB-435V0-2N	08/15/2012 22:59	1	z11932.d	Rtx-5MS 0.25 (mm)
460-43235-2	20120807SB-438V5-6N	08/16/2012 00:01	1	z11935.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/16/2012 00:21	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/16/2012 00:42	5		Rtx-5MS 0.25 (mm)
ZZZZZ		08/16/2012 01:03	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/16/2012 01:23	1		Rtx-5MS 0.25 (mm)

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: BNAMS5 Start Date: 08/11/2012 11:49Analysis Batch Number: 123774 End Date: 08/11/2012 14:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-123774/1		08/11/2012 11:49	1	x29150.d	Rtx-5MS 0.25 (mm)
ICIS 460-123774/2		08/11/2012 12:32	1	x29151.d	Rtx-5MS 0.25 (mm)
IC 460-123774/3		08/11/2012 12:54	1	x29152.d	Rtx-5MS 0.25 (mm)
IC 460-123774/4		08/11/2012 13:16	1	x29153.d	Rtx-5MS 0.25 (mm)
IC 460-123774/5		08/11/2012 13:38	1	x29154.d	Rtx-5MS 0.25 (mm)
IC 460-123774/6		08/11/2012 14:00	1	x29155.d	Rtx-5MS 0.25 (mm)
IC 460-123774/7		08/11/2012 14:22	1	x29156.d	Rtx-5MS 0.25 (mm)

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica EdisonJob No.: 460-43235-1

SDG No.:

Instrument ID: BNAMS5Start Date: 08/14/2012 14:05Analysis Batch Number: 124292End Date: 08/15/2012 01:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-124292/1		08/14/2012 14:05	1	x29278.d	Rtx-5MS 0.25 (mm)
CCVIS 460-124292/2		08/14/2012 14:25	1	x29279.d	Rtx-5MS 0.25 (mm)
LCS 460-123287/2-A		08/14/2012 14:51	1	x29280.d	Rtx-5MS 0.25 (mm)
MB 460-123287/1-A		08/14/2012 15:13	1	x29281.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 15:35	1		Rtx-5MS 0.25 (mm)
460-43236-N-9-A MS		08/14/2012 15:57	1	x29283.d	Rtx-5MS 0.25 (mm)
460-43236-M-9-A MSD		08/14/2012 16:19	1	x29284.d	Rtx-5MS 0.25 (mm)
460-43235-5	20120807EB	08/14/2012 16:41	1	x29285.d	Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 17:03	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 17:25	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 17:46	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 18:08	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 18:30	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 18:52	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 19:14	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 19:36	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 19:58	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 20:20	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 20:42	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 21:04	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 21:48	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 22:10	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 22:32	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 22:54	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 23:16	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/14/2012 23:38	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 00:00	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 00:22	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 00:44	1		Rtx-5MS 0.25 (mm)
ZZZZZ		08/15/2012 01:06	20		Rtx-5MS 0.25 (mm)

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMSIL.i  
Analytical Batch: /chem/BNAMSIL.i/8270/08-06-12/06aug12.b

Date Generated: 08/07/2012  
Page 1

Date	Data File	ALS	Sample ID	LFB	EXT DATE	IV/IN	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/06/12 1237	z11523.d	1	DFTPP-1653831		0	0	1	2.0	all	4642	C	P = 1.090, B - 1.129
08/06/12 1254	z11524.d	2	ICIS-11564229		15	1	1	1.0	all	4674	C	Good except
08/06/12 1326	z11525.d	3	IC-1564257		15	1	1	1.0	all	4674	C	Benzaldehyde
08/06/12 1347	z11526.d	4	IC-1564256		15	1	1	1.0	all	4674	C	Benzidine
08/05/12 1407	z11527.d	5	IC-1564212		15	1	1	1.0	all	4674	C	Benzylalcohol
08/06/12 1520	z11528.d	6	IC-1564209		15	1	1	1.0	all	4674	C	
08/05/12 1540	z11529.d	7	IC-1564202		15	1	1	1.0	all	4674	C	
08/05/12 1601	z11530.d	8	icv	06aug12	15	1	1	1.0	all	4674	C	

Signed: ✓ Read and Understood by: CD. OJ

Date: 8/6/12

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS5.i  
Analytical Batch: /chem/BNAMS5.i/8270/08-11-12/11aug12.b

Date Generated: 08/13/2012

Page 1

Date	Data File	ALS File	Sample ID	RPS	EXT DATE	IV/ IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/11/12 1149	x29150.d	1	DFPP-1653831			0	0		1	2.0 all	BNA	PUP tail = 1.312
08/11/12 1232	x29151.d	2	ICHS-1564229			15	1		1	1.0 all	BNA	Benzidine tail = 1.390
08/11/12 1254	x29152.d	3	IC-1564257			15	1		1	1.0 all	BNA	
08/11/12 1316	x29153.d	4	IC-1564256			15	1		1	1.0 all	G	CuOd 8270C
08/11/12 1338	x29154.d	5	IC-1564212			15	1		1	1.0 all	G	-Aniline high std = 80 ppm
08/11/12 1400	x29155.d	6	IC-1564209			15	1		1	1.0 all	G	-N,N: Benzaldehyde/Benzidine.
08/11/12 1422	x29156.d	7	IC-1564202			15	1		1	1.0 all	G	
08/11/12 1444	x29157.d	8	icv	11aug12		1000	1		1	1.0 all	BNA	
											4087	G

Signed:

Read and Understood by:

08/13/12

8-13-12

Date:

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i  
Analytical Batch: /chem/BNAMS11.i/8270/08-06-12/15aug12.b

Date Generated: 08/15/2012  
Page 1

Date	Data File	ALS File	Sample ID	LPB	EXT DATE	IV/ FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/15/12 0037	z11875.d	1	DETPP-1653831			0 0	1	2.0 all	4607	S	124158 Pb-2772
08/15/12 0146	z11877.d	3	CCVIS-1564229			15 1	1	1.0 all	46074	S	8270
08/15/12 0236	z11878.d	4	LCS 460-123428/2-A	15aug12		15 1	1	1.0 all		S	SPK & RR
08/15/12 0256	z11879.d	5	MB 460-123428/1-A	15aug12		15 1	1	1.0 all		S	
08/15/12 0317	z11880.d	6	460-43228-A-4-C	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0338	z11881.d	7	460-43228-A-4-A MS	460-123428	08/10/12 15.0 1		1	1.0 all		S	spk RR
08/15/12 0359	z11882.d	8	460-43228-A-4-B MSD	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0419	z11883.d	9	460-43235-E-1-B	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0440	z11884.d	10	460-43235-E-3-B	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0501	z11885.d	11	460-43290-F-1-A	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0522	z11886.d	12	460-43290-E-4-G	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0542	z11887.d	13	460-43290-F-6-C	460-123428	08/10/12 15	1				S	
08/15/12 0603	z11888.d	14	460-43290-E-7-C	460-123428	08/10/12 15.0 1		1	1.0 all		S	
08/15/12 0624	z11889.d	15	460-43290-E-9-C	460-123428	08/10/12 15.0 1		1	1.0 all		S	

08/20/2012

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i  
Analytical Batch: /chem/BNAMS11.i/8270/08-06-12/15aug12.b

Date Generated: 08/15/2012  
Page 2

Date	Data File	ALS File	Sample ID	LPS	EXT DATE	IV / IW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/15/12 0644	z11890.d	16	460-43185-A-18-A	15aug12		15	1		1	1.0	all	G
08/15/12 0705	z11891.d	17	460-43185-E-10-B	15aug12		15	1		1	1.0	all	G
08/15/12 0726	z11892.d	18	460-43185-E-11-B	15aug12		15	1		1	1.0	all	G
Page 08	z11893.d	19	460-43185-E-12-B	15aug12		15	1		1	1.0	all	G
08/15/12 0807	z11894.d	20	460-43185-A-9-A	15aug12		15	1		1	1.0	all	G
08/15/12 0828	z11895.d	21	460-43185-A-8-A	15aug12		15	1		1	1.0	all	G
08/15/12 0848	z11896.d	22	460-43185-E-14-B	15aug12		15	1		1	1.0	all	G
08/15/12 0909	z11897.d	23	460-43185-A-7-A	15aug12		15	1		1	1.0	all	G
08/15/12 0930	z11898.d	24	460-43185-A-16-A	15aug12		15	1		2	1.0	all	R/R / X
08/15/12 0950	z11899.d	25	LCS 460-123428/2-A	15aug12		15	1		1	1.0	all	G
08/15/12 1011	z11900.d	26	460-43228-A-4-A MS	460-123428	08/10/12	15.0	1		1	1.0	all	G
08/15/12 1032	z11901.d	27	460-43228-A-4-B MSD	460-123428	08/10/12	15.0	1		1	1.0	all	G
08/15/12 1052	z11902.d	28	460-43228-D-5-B	460-123428	08/10/12	15.0	1		5	1.0	all	G
08/15/12 1113	z11903.d	29	460-43026-E-9-C	460-122579	08/03/12	15	1		1	1.0	all	G

Note~ Dilutions prepared as follows:  
Dil = Dilution Factor

2x: 300ul sample/300ul MeCl<sub>2</sub>/ 6ul ISTD  
5x: 200ul sample/800ul MeCl<sub>2</sub>/ 16ul ISTD  
10x: 100ul sample/900ul MeCl<sub>2</sub>/ 18ul ISTD

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i  
Analytical Batch: /chem/BNAMS11.i/8270/08-06-12/15aug12.b

Date Generated: 08/15/2012

Page 3

Date	Data	ALS	Sample ID	LPB	EXT DATE	IV/ FV	Dil	Inj	Sublist	LOT	COMMENTS
	File		ID		IV	FV	Dil	Vol			
08/15/12 1134	z11904.d	30	460-43185-A-17-A	15aug12			15	1	2	1.0 all	<i>✓</i>
08/15/12 1205	z11905.d	31	460-43185-A-16-A	15aug12			15	1	1	1.0 all	<i>✓</i>

Page 16 of 1675  
Signed: 8/15/12  
Date: 8-16-12

Read and Understood by: 025-0000

Date: 8-16-12

## TESTAMERICA

## ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS5.i  
 Analytical Batch: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b

Date Generated: 08/15/2012  
 Page 1

Date	Data File	ALS	Sample ID	LFB	EXT DATE	IV/IN	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/14/12 1350	x29277.d	1	DPTRP-1653831	—	0	0	1	2.0	all	4607	K6	leaving
08/14/12 1405	x29278.d	1	DPTRP-1653831	—	0	0	1	2.0	all	4607	6	peak. > 1306 ppm. > 1,402
08/14/12 1425	x29279.d	2	CCVIS-1564229	—	15	1	1	1.0	all	4607	6	no benzaldehyde
08/14/12 1451	x29280.d	3	IICS 460-123287/2-A	460-123287	3/14/2	1000 2	1	1.0	all-h2	—	6	
08/14/12 1513	x29281.d	4	NB 460-123287/1-A	460-123287	1000 2	1	1.0	all-h2	—	6		
08/14/12 1535	x29282.d	5	460-43236-N-9-B	460-123287	1000 2	1	1.0	all-h2	—	6	isocrotonic	
08/14/12 1557	x29283.d	6	460-43236-N-9-A MS	460-123287	1000 2	1	1.0	all-h2	—	6		
08/14/12 1619	x29284.d	7	460-43236-N-9-A MSD	460-123287	1000 2	1	1.0	all-h2	—	6		
08/14/12 1641	x29285.d	8	460-43235-D-5-A	460-123287	960 2	1	1.0	all-h2	—	6		
08/14/12 1703	x29286.d	9	460-43236-L-1-A	460-123287	1000 2	1	1.0	all-h2	—	6		
08/14/12 1725	x29287.d	10	460-43236-N-3-A	460-123287	1000 2	1	1.0	all-h2	—	6		
08/14/12 1746	x29288.d	11	460-43236-M-4-A	460-123287	1000 2	1	1.0	all-h2	—	6		
08/14/12 1808	x29289.d	12	460-43236-M-5-A	460-123287	1000 2	1	1.0	all-h2	—	6	isobutyric	
08/14/12 1830	x29290.d	13	460-43236-N-6-A	460-123287	1000 2	1	1.0	all-h2	—	6		

Instrument ID: BNAMS5.i  
 Analytical Batch #: /chem/BNAMS5.i/8270/08-11-12/14aug12a.b

Date Generated: 08/15/2012  
 Page 2

Date	Data File	ALS	Sample ID	LPE	EXT DATE	IV/	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS	
08/14/12 1852	x29291.d	14	460-43236-N-7-A	460-123287	1000 2		1	1.0	all-h2	—	f		
08/14/12 1914	x29292.d	15	460-43236-N-8-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 1936	x29293.d	16	460-43236-N-10-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 1958	x29294.d	17	460-43236-N-11-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 2020	x29295.d	18	460-43236-M-12-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 2042	x29296.d	19	460-43236-N-13-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 2104	x29297.d	20	460-43236-M-14-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 2126	x29298.d	21	460-43236-N-15-A	460-123287	1000 2		1	1.0	all-h2	—	6		
08/14/12 2148	x29299.d	22	ICS 460-123725/2-A	460-123725	201312	1000 2		1	1.0	all-h2	—	12222 hexane	
08/14/12 2210	x29300.d	23	LCSD 460-123725/3-A	460-123725	1000 2		1	1.0	all-h2	—	6		
08/14/12 2232	x29301.d	24	IMB 460-123725/1-A	460-123725	1000 2		1	1.0	all-h2	—	6		
08/14/12 2254	x29302.d	25	460-43411-D-14-A	460-123725	990 2		1	1.0	all-h2	—	6		
08/14/12 2316	x29303.d	26	460-43411-E-13-A	460-123725	990 2		1	1.0	all-h2	—	6		
08/14/12 2338	x29304.d	27	460-43411-E-12-A	460-123725	990 2		1	1.0	all-h2	—	6		

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARYInstrument ID: BNAMS5.i  
Analytical Batch: /chem/BNAMS5.i/8270/08-11-12/14aug12a..bDate Generated: 08/15/2012  
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Date	Data File	AIS	Sample ID	IPB	EXT DATE	IV/ TW	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/15/12	0000 x29305.d	28	460-43411-B-11-A	460-123725		990	2	1	1.0 all-h2	—	—	
08/15/12	0022 x29306.d	29	460-433370-1-1-A	460-123725		990	2	1	1.0 all-h2	—	—	
08/15/12	0044 x29307.d	30	460-43202-N-5-A	460-123725		990	2	1	1.0 all-h2	—	—	
08/15/12	0106 x29308.d	31	460-43333-D-1-A	460-123447	08/10/12	1000	2	20	1.0 all-h2	—	—	
08/15/12	0128 x29309.d	32	blk	14aug12a		1000	2	1	1.0 all-h2	—	—	

Signed: Mukund Mehta Read and Understood by: W.S.G.  
Note~ Dilutions prepared as follows:  
Dil = Dilution Factor2x: 300ul sample/ 300ul MeCl<sub>2</sub>/ 6ul ISTD  
5x: 200ul sample/ 800ul MeCl<sub>2</sub>/ 16ul ISTD  
10x: 100ul sample/ 900ul MeCl<sub>2</sub>/ 18ul ISTD20x: Prepared 2x from 10x  
25x: Prepared 5x from 5x  
50x: Prepared 5x from 10x  
100x: Prepared 10x from 10x  
200x: Prepared 2x from 100x  
250x: Prepared 5x from 50x  
500x: Prepared 5x from 100x  
1000x: Prepared 10x from 100x

Instrument ID: BNAMS11.i  
 Analytical Batch: /chem/BNAMS11.1/8270/08-06-12/15aug12a.b

Date Generated: 08/16/2012  
 Page 1

Date	Data File	ALS	Sample ID	LFB	EXT DATE	IV / IW	FV	DIL	Inj vol	Sublist	LOT	COMMENTS
08/15/12 1350	211906.d	1	DFIPIP-1653831	—	—	0	0	1	2.0 all	4687	124326	today perin. → 2.400 perin. → 2.405
08/15/12 1407	211907.d	2	CCVTS-1564229	—	—	15	1	1	1.0 all	W7M	6	no permeable
08/15/12 1440	211908.d	3	460-43290-F-19-C	460-123668	08/12/12	15.0 1	—	1	1.0 all-so	—	per 3rd high	
08/15/12 1500	211909.d	4	460-43290-D-20-C	460-123668	—	15.0 1	—	1	1.0 all-so	—	i	
08/15/12 1521	211910.d	5	460-43290-E-21-C	460-123668	08/12/12	15.0 1	—	1	1.0 all-so	—	—	
08/15/12 1542	211911.d	6	460-43290-F-24-A	460-123668	08/12/12	15.0 1	—	1	1.0 all-so	—	✓	
08/15/12 1605	211912.d	7	460-43143-G-18-A	460-122934	08/10/12	15.1	—	1	1.0 all-so	—	6	
08/15/12 1626	211913.d	8	460-43327-B-3-D	460-123667	08/12/12	15.0 1	—	2	1.0 all-so	—	6	
08/15/12 1646	211914.d	9	460-43323-E-4-A	460-123668	08/12/12	15.1	—	2	1.0 all-so	—	6	
08/15/12 1707	211915.d	10	460-43333-B-2-D	460-123668	08/12/12	15.1	—	5	1.0 all-so	—	6	
08/15/12 1728	211916.d	11	460-43323-B-10-A	460-123668	—	15.0 1	—	1	1.0 all-so	—	6	
08/15/12 1748	211917.d	12	460-43089-G-12-E	460-123667	08/12/12	15.0 1	—	10	1.0 all-so	—	per 5%	
08/15/12 1809	211918.d	13	460-43089-A-18-O	460-123667	—	15.0 1	—	5	1.0 all-so	—	6	
08/15/12 1830	211919.d	14	460-43233-E-1-A	460-123428	08/10/12	15.1	—	25	1.0 all-so	—	6 nondetect	

TESTAMERICA  
ANALYTICAL INDUCTION LOG SUMMARY

Instrument ID: BNAMS11.i  
Analytical Batch: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b

Date Generated: 08/16/2012  
Page 2

Date	Data File	ALS	Sample ID	LPS	EXT DATE	IV / IN	FV	Dil	Inj Vol	Sublist	LOT	COMMENTS
08/15/12 1850	z11920.d	15	460-43282-D-2-B	460-123428	08/10/12	15.0   1		5	1.0 all-so	—	E	
08/15/12 1911	z11921.d	16	460-43282-D-4-B	460-123428	08/10/12	15.0   1		5	1.0 all-so	—	PA 10 X	
08/15/12 1932	z11922.d	17	460-43223-B-8-A	460-123294	08/10/12	15.0   1		5	1.0 all-so	—	B	
08/15/12 1952	z11923.d	18	460-43282-B-6-C	460-123428	08/10/12	15.0   1		25	1.0 all-so	—	PA 30 X	
08/15/12 2013	z11924.d	19	460-43282-D-8-C	460-123428	08/10/12	15   1		5	1.0 all-so	—	PA 20 X	
08/15/12 2034	z11925.d	20	460-43282-C-10-C	460-123428	08/10/12	15.0   1		10	1.0 all-so	—	PA 30 X	
08/15/12 2054	z11926.d	21	460-43282-F-12-C	460-123428	08/10/12	15.0   1		5	1.0 all-so	—	E	
08/15/12 2115	z11927.d	22	460-43323-B-13-A	460-123668	08/10/12	15.0   1		5	1.0 all-so	—	PA 20 X	
08/15/12 2136	z11928.d	23	460-43323-B-7-A	460-123668	08/10/12	15   1		1	1.0 all-so	—	f	
08/15/12 2157	z11929.d	24	460-43323-B-22-A	460-123668	08/10/12	15.0   1		1	1.0 all-so	—	E	
08/15/12 2317	z11930.d	25	460-43323-D-19-B	460-123668	08/10/12	15.0   1		1	1.0 all-so	—	PA 10 X	
08/15/12 2338	z11931.d	26	460-43323-C-25-A	460-123668	08/10/12	15.0   1		1	1.0 all-so	—	PA 10 X	
08/15/12 2359	z11932.d	27	460-43235-E-4-D	460-123428	08/10/12	15   1		1	1.0 all-so	—	E	
08/15/12 2319	z11933.d	28	460-43323-B-27-E	460-123668	08/10/12	15.0   1		1	1.0 all-so	—	PA 20 X	

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BNAMS11.i  
Analytical Batch: /chem/BNAMS11.i/8270/08-06-12/15aug12a.b

Date Generated: 08/16/2012  
Page 3

Date	Data File	ALS	Sample ID	IPB	EXT DATE	IV/	FV	Dil	Inj	Sublist	LOT	COMMENTS
									Vol			
08/15/12 2340	z11934.d	29	460-43282-C-14-C	460-123428	08/10/12	15	1	1	1.0 all-so	-	8A3	
08/16/12 0001	z11935.d	30	460-43235-B-2-B	460-123428	08/10/12	15.01	1	1.0 all-so	-	6		
08/16/12 0021	z11936.d	31	460-43403-B-1-A	460-123667	08/12/12	15.01	5	1.0 all-so	-	6		
08/16/12 0042	z11937.d	32	460-43403-B-2-A	460-123667	08/12/12	15.01	5	1.0 all-so	-	6		
08/16/12 0103	z11938.d	33	460-43282-B-17-C	460-123428	08/10/12	15.01	1	1.0 all-so	-	6		
08/16/12 0123	z11939.d	34	460-43323-B-16-A	460-123668		15.01	1	1.0 all-so	-	6		
08/16/12 0144	z11940.d	35	blk	15aug12a		-	15	1	1.0 all	-	-	
08/16/12 0204	z11941.d	36	blk	15aug12a		-	15	1	1.0 all	-	-	

Note~ Dilutions prepared as follows:

Dil = Dilution Factor

2X: 300ul sample/ 300ul MeCl<sub>2</sub>/ 6ul ISTD  
5X: 200ul sample/ 800ul MeCl<sub>2</sub>/ 16ul ISTD  
10X: 100ul sample/ 900ul MeCl<sub>2</sub>/ 18ul ISTD

Signed: Prashant Kumar Read and Understood by: W. S.  
Date: 8/16/12

Date: 8-16-12

20x: Prepared 2x from 10x  
25x: Prepared 5x from 5x  
50x: Prepared 5x from 10x  
100x: Prepared 10x from 10x  
200x: Prepared 2x from 100x  
250x: Prepared 5x from 50x  
500x: Prepared 5x from 100x  
1000x: Prepared 10x from 100x

## GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Batch Number: 123287 Batch Start Date: 08/09/12 12:51 Batch Analyst: Rana, Kalpesh V

Batch Method: 3510C Batch End Date: 08/10/12 12:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	OP625/82SP 00035
MB 460-123287/1		3510C, 8270C		7	1000 mL	2 mL	<2	>12	
LCS 460-123287/2		3510C, 8270C		7	1000 mL	2 mL	<2	>12	1 mL
460-43236-N-9 MS		3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	1 mL
460-43236-M-9 MSD		3510C, 8270C	T	7	1000 mL	2 mL	<2	>12	1 mL
460-43235-D-5	20120807EB	3510C, 8270C	T	7	960 mL	2 mL	<2	>12	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP625/82SU 00032					
MB 460-123287/1		3510C, 8270C		1000 uL					
LCS 460-123287/2		3510C, 8270C		1000 uL					
460-43236-N-9 MS		3510C, 8270C	T	1000 uL					
460-43236-M-9 MSD		3510C, 8270C	T	1000 uL					
460-43235-D-5	20120807EB	3510C, 8270C	T	1000 uL					

## GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 123287

Batch Start Date: 08/09/12 12:51

Batch Analyst: Rana, Kalpesh V

Batch Method: 3510C

Batch End Date: 08/10/12 12:30

Batch Notes	
Acid used for pH adjustment	H2SO4
Acid used for pH adjust Lot #	K20042
Base used for pH adjustment	NaOH
Base used for pH adjust Lot #	OP267
Batch Comment	8270 Prep
Concentration End Time	12:00
Concentration Start Time	11:00
Person's name who did the concentration	KR
Final Concentrator Volume	2 mL
N-evap temperature	35 Celsius
Na2SO4 Lot Number	135309
Oven, Bath or Block Temperature 1	90
Prep Solvent Lot #	5957
Prep Solvent Name	MECL2
Prep Solvent Volume Used	360 ml mL
Person's name who did the prep	KR
Person's name who witnessed reagent drop	wuh,GT

Basis	Basis Description
T	Total/NA

## GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 123428

Batch Start Date: 08/10/12 09:24

Batch Analyst: Patel, Harsh

Batch Method: 3541

Batch End Date: 08/10/12 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP8270SoilsUR 00008	OP8270sp 00027	
MB 460-123428/1		3541, 8270C		15.00 g	1 mL	73	500 uL		
LCS 460-123428/2		3541, 8270C		15.00 g	1 mL	74	500 uL	0.5 mL	
460-43228-A-4 MS		3541, 8270C	T	15.02 g	1 mL	75	500 uL	0.5 mL	
460-43228-A-4 MSD		3541, 8270C	T	15.01 g	1 mL	76	500 uL	0.5 mL	
460-43235-E-1 -2N	20120807SB-437V0	3541, 8270C	T	15.01 g	1 mL	80	500 uL		
460-43235-E-2 -6N	20120807SB-438V5	3541, 8270C	T	15.02 g	1 mL	81	500 uL		
460-43235-E-3 -2N	20120807SB-436V0	3541, 8270C	T	15.02 g	1 mL	82	500 uL		
460-43235-E-4 -2N	20120807SB-435V0	3541, 8270C	T	15.00 g	1 mL	83	500 uL		

## Batch Notes

Balance ID	28
Batch Comment	BNA soil
Person's name who did the concentration	hp
Vendor lot number	L15E06
Na2SO4 Lot Number	135309
Person's name who did the prep	hp
Solvent	Acetone/MeCL2 mix
First Start time	9.00am

Basis	Basis Description
T	Total/NA

# **Method 8081A**

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**Organochlorine Pesticides (GC) by  
Method 8081A**

FORM II  
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low  
GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
20120807SB-437V0-2 N	460-43235-1	107	107	109	107
20120807SB-438V5-6 N	460-43235-2	82	79	100	98
20120807SB-436V0-2 N	460-43235-3	107	108	117	101
20120807SB-435V0-2 N	460-43235-4	110	107	115	108
	MB 460-123232/1-A	105	106	110	103
	LCS 460-123232/2-A	112	110	112	104
20120807SB-435V0-2 N MS	460-43235-4 MS	114	109	114	105
20120807SB-435V0-2 N MSD	460-43235-4 MSD	117	113	118	107

TCX = Tetrachloro-m-xylene  
DCB = DCB Decachlorobiphenyl

QC LIMITS  
40-150  
53-150

# Column to be used to flag recovery values

FORM II 8081A

FORM II  
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
20120807EB	460-43235-5	106	115	69	66
	MB 460-123243/1-A	96	104	85	82
	LCS 460-123243/2-A	98	102	86	83
	LCSD 460-123243/3-A	101	107	72	69

TCX = Tetrachloro-m-xylene  
DCB = DCB Decachlorobiphenyl

QC LIMITS  
49-132  
37-144

# Column to be used to flag recovery values

FORM II 8081A

FORM III  
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: WF705429.D

Lab ID: LCS 460-123232/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aldrin	133	122	92	58-143	
alpha-BHC	133	124	93	58-138	
beta-BHC	133	123	92	60-139	
delta-BHC	133	118	89	60-141	
gamma-BHC (Lindane)	133	122	91	58-136	
4,4'-DDD	133	129	97	63-150	
4,4'-DDE	133	123	92	58-150	
4,4'-DDT	133	120	90	57-150	
Dieldrin	133	111	84	55-128	
Endosulfan I	133	120	90	60-138	
Endosulfan II	133	117	88	59-133	
Endosulfan sulfate	133	113	85	56-133	
Endrin	133	125	94	61-150	
Endrin aldehyde	133	120	90	55-122	
Endrin ketone	133	117	88	62-139	
Heptachlor	133	127	95	58-137	
Heptachlor epoxide	133	119	89	59-136	
Methoxychlor	133	133	100	42-150	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Solid Level: Low Lab File ID: WR705429.D  
Lab ID: LCS 460-123232/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aldrin	133	125	94	58-143	
alpha-BHC	133	122	92	58-138	
beta-BHC	133	123	92	60-139	
delta-BHC	133	117	88	60-141	
gamma-BHC (Lindane)	133	124	93	58-136	
4,4'-DDD	133	130	98	63-150	
4,4'-DDE	133	128	96	58-150	
4,4'-DDT	133	130	97	57-150	
Dieldrin	133	113	85	55-128	
Endosulfan I	133	124	93	60-138	
Endosulfan II	133	118	89	59-133	
Endosulfan sulfate	133	116	87	56-133	
Endrin	133	132	99	61-150	
Endrin aldehyde	133	124	93	55-122	
Endrin ketone	133	126	95	62-139	
Heptachlor	133	134	100	58-137	
Heptachlor epoxide	133	124	93	59-136	
Methoxychlor	133	139	104	42-150	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: WF705692.D

Lab ID: LCS 460-123243/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	2.00	1.90	95	61-122	
alpha-BHC	2.00	2.03	102	63-122	
beta-BHC	2.00	1.99	100	64-119	
delta-BHC	2.00	1.95	97	62-124	
gamma-BHC (Lindane)	2.00	1.99	99	59-121	
4,4'-DDD	2.00	1.98	99	68-136	
4,4'-DDE	2.00	1.94	97	66-132	
4,4'-DDT	2.00	1.60	80	66-132	
Dieldrin	2.00	1.81	90	62-112	
Endosulfan I	2.00	1.96	98	64-123	
Endosulfan II	2.00	1.92	96	63-116	
Endosulfan sulfate	2.00	1.91	95	56-121	
Endrin	2.00	1.99	99	42-138	
Endrin aldehyde	2.00	1.89	95	56-119	
Endrin ketone	2.00	1.98	99	62-125	
Heptachlor	2.00	1.20	60	61-118	*
Heptachlor epoxide	2.00	1.93	97	64-120	
Methoxychlor	2.00	1.35	68	56-125	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: WR705692.D

Lab ID: LCS 460-123243/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	2.00	1.84	92	61-122	
alpha-BHC	2.00	1.88	94	63-122	
beta-BHC	2.00	1.86	93	64-119	
delta-BHC	2.00	1.80	90	62-124	
gamma-BHC (Lindane)	2.00	1.89	94	59-121	
4,4'-DDD	2.00	1.95	98	68-136	
4,4'-DDE	2.00	1.89	94	66-132	
4,4'-DDT	2.00	1.64	82	66-132	
Dieldrin	2.00	1.73	87	62-112	
Endosulfan I	2.00	1.92	96	64-123	
Endosulfan II	2.00	1.78	89	63-116	
Endosulfan sulfate	2.00	1.77	89	56-121	
Endrin	2.00	2.00	100	42-138	
Endrin aldehyde	2.00	1.86	93	56-119	
Endrin ketone	2.00	1.93	97	62-125	
Heptachlor	2.00	1.34	67	61-118	
Heptachlor epoxide	2.00	1.85	92	64-120	
Methoxychlor	2.00	1.43	71	56-125	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: WF705693.D  
Lab ID: LCSD 460-123243/3-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aldrin	2.00	1.97	99	4	30	61-122	
alpha-BHC	2.00	2.15	107	6	30	63-122	
beta-BHC	2.00	2.11	105	6	30	64-119	
delta-BHC	2.00	2.06	103	5	30	62-124	
gamma-BHC (Lindane)	2.00	2.10	105	5	30	59-121	
4,4'-DDD	2.00	2.03	101	4	30	68-136	
4,4'-DDE	2.00	1.96	98	1	30	66-132	
4,4'-DDT	2.00	1.65	82	3	30	66-132	
Dieldrin	2.00	1.89	95	5	30	62-112	
Endosulfan I	2.00	2.05	102	4	30	64-123	
Endosulfan II	2.00	2.02	101	5	30	63-116	
Endosulfan sulfate	2.00	2.00	100	5	30	56-121	
Endrin	2.00	2.07	104	3	30	42-138	
Endrin aldehyde	2.00	1.99	100	5	30	56-119	
Endrin ketone	2.00	2.07	104	4	30	62-125	
Heptachlor	2.00	1.40	70	15	30	61-118	
Heptachlor epoxide	2.00	2.04	102	5	30	64-120	
Methoxychlor	2.00	1.44	72	6	30	56-125	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Matrix: Water Level: Low Lab File ID: WR705693.D  
Lab ID: LCSD 460-123243/3-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aldrin	2.00	1.89	94	3	30	61-122	
alpha-BHC	2.00	1.98	99	5	30	63-122	
beta-BHC	2.00	1.97	99	6	30	64-119	
delta-BHC	2.00	1.95	98	8	30	62-124	
gamma-BHC (Lindane)	2.00	1.99	100	5	30	59-121	
4,4'-DDD	2.00	2.04	102	3	30	68-136	
4,4'-DDE	2.00	1.88	94	0	30	66-132	
4,4'-DDT	2.00	1.75	87	7	30	66-132	
Dieldrin	2.00	1.80	90	4	30	62-112	
Endosulfan I	2.00	2.01	100	4	30	64-123	
Endosulfan II	2.00	1.85	92	4	30	63-116	
Endosulfan sulfate	2.00	1.84	92	4	30	56-121	
Endrin	2.00	2.05	103	3	30	42-138	
Endrin aldehyde	2.00	1.94	97	4	30	56-119	
Endrin ketone	2.00	2.01	101	4	30	62-125	
Heptachlor	2.00	1.53	76	13	30	61-118	
Heptachlor epoxide	2.00	1.94	97	5	30	64-120	
Methoxychlor	2.00	1.61	80	12	30	56-125	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: WF705430.D

Lab ID: 460-43235-4 MS Client ID: 20120807SB-435V0-2N MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aldrin	166	1.8 U	157	95	58-143	
alpha-BHC	166	1.5 U	159	96	58-138	
beta-BHC	166	1.1 U	156	94	60-139	
delta-BHC	166	1.3 U	152	92	60-141	
gamma-BHC (Lindane)	166	0.97 U	155	94	58-136	
4,4'-DDD	166	80	241	98	63-150	
4,4'-DDE	166	25	176	91	58-150	
4,4'-DDT	166	4.1 J	158	93	57-150	
Dieldrin	166	1.6 U	165	99	55-128	
Endosulfan I	166	1.7 U	154	93	60-138	
Endosulfan II	166	1.3 U	152	92	59-133	
Endosulfan sulfate	166	1.1 U	149	90	56-133	
Endrin	166	1.2 U	162	98	61-150	
Endrin aldehyde	166	2.1 U	156	94	55-122	
Heptachlor	166	1.2 U	162	98	58-137	
Heptachlor epoxide	166	1.7 U	153	92	59-136	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid      Level: Low      Lab File ID: WR705430.D

Lab ID: 460-43235-4 MS      Client ID: 20120807SB-435V0-2N MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aldrin	166	1.8 U	162	98	58-143	
alpha-BHC	166	1.5 U	158	95	58-138	
beta-BHC	166	1.1 U	156	94	60-139	
delta-BHC	166	1.3 U	151	91	60-141	
gamma-BHC (Lindane)	166	0.97 U	160	96	58-136	
4,4'-DDD	166	79	242	98	63-150	
4,4'-DDE	166	26	183	95	58-150	
4,4'-DDT	166	4.6 J	170	100	57-150	
Dieldrin	166	1.6 U	145	88	55-128	
Endosulfan I	166	1.7 U	162	98	60-138	
Endosulfan II	166	1.3 U	153	92	59-133	
Endosulfan sulfate	166	1.1 U	148	89	56-133	
Endrin	166	1.2 U	172	104	61-150	
Endrin aldehyde	166	2.1 U	160	96	55-122	
Endrin ketone	166	1.2 U	163	99	62-139	
Heptachlor	166	1.2 U	172	104	58-137	
Heptachlor epoxide	166	1.7 U	168	102	59-136	
Methoxychlor	166	0.93 U	179	108	42-150	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid      Level: Low      Lab File ID: WF705431.D

Lab ID: 460-43235-4 MSD      Client ID: 20120807SB-435V0-2N MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aldrin	166	157	95	0	30	58-143	
alpha-BHC	166	159	96	0	30	58-138	
beta-BHC	166	157	95	1	30	60-139	
delta-BHC	166	152	92	0	30	60-141	
gamma-BHC (Lindane)	166	157	95	1	30	58-136	
4,4'-DDD	166	231	92	4	30	63-150	
4,4'-DDE	166	174	90	1	30	58-150	
4,4'-DDT	166	159	93	0	30	57-150	
Dieldrin	166	163	98	1	30	55-128	
Endosulfan I	166	154	93	0	30	60-138	
Endosulfan II	166	152	92	0	30	59-133	
Endosulfan sulfate	166	150	90	0	30	56-133	
Endrin	166	163	98	0	30	61-150	
Endrin aldehyde	166	156	94	0	30	55-122	
Endrin ketone	166	152	92	1	30	62-139	
Heptachlor	166	162	98	0	30	58-137	
Heptachlor epoxide	166	153	92	0	30	59-136	
Methoxychlor	166	178	108	0	30	42-150	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III  
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid      Level: Low      Lab File ID: WR705431.D

Lab ID: 460-43235-4 MSD      Client ID: 20120807SB-435V0-2N MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Aldrin	166	162	98	0	30	58-143	
alpha-BHC	166	157	95	0	30	58-138	
beta-BHC	166	155	94	0	30	60-139	
delta-BHC	166	151	91	0	30	60-141	
gamma-BHC (Lindane)	166	159	96	0	30	58-136	
4,4'-DDD	166	235	94	3	30	63-150	
4,4'-DDE	166	180	93	2	30	58-150	
4,4'-DDT	166	170	100	0	30	57-150	
Dieldrin	166	145	87	0	30	55-128	
Endosulfan I	166	161	97	0	30	60-138	
Endosulfan II	166	153	93	0	30	59-133	
Endosulfan sulfate	166	148	89	0	30	56-133	
Endrin	166	168	102	2	30	61-150	
Endrin aldehyde	166	160	97	0	30	55-122	
Endrin ketone	166	163	98	0	30	62-139	
Heptachlor	166	172	104	0	30	58-137	
Heptachlor epoxide	166	166	100	1	30	59-136	
Methoxychlor	166	179	108	0	30	42-150	

# Column to be used to flag recovery and RPD values

FORM III 8081A

FORM IV  
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: MB 460-123232/1-A  
Matrix: Solid Date Extracted: 08/09/2012 08:35  
Lab File ID: (1) WR705440.D Lab File ID: (2) WF705440.D  
Date Analyzed: (1) 08/13/2012 10:51 Date Analyzed: (2) 08/13/2012 10:51  
Instrument ID: (1) PESTGC4 Instrument ID: (2) PESTGC4  
GC Column: (1) CLP-1 ID: 0.53 (mm) GC Column: (2) CLP-2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1		DATE ANALYZED 2	
		08/13/2012	08:18	08/13/2012	08:18
20120807SB-435V0-2N MS	LCS 460-123232/2-A 460-43235-4 MS	08/13/2012	08:31	08/13/2012	08:31
20120807SB-435V0-2N MSD	460-43235-4 MSD	08/13/2012	08:45	08/13/2012	08:45
20120807SB-435V0-2N	460-43235-4	08/13/2012	08:59	08/13/2012	08:59
20120807SB-437V0-2N	460-43235-1	08/13/2012	22:33	08/13/2012	22:33
20120807SB-438V5-6N	460-43235-2	08/13/2012	22:47	08/13/2012	22:47
20120807SB-436V0-2N	460-43235-3	08/13/2012	23:01	08/13/2012	23:01

FORM IV  
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: MB 460-123243/1-A  
Matrix: Water Date Extracted: 08/09/2012 10:08  
Lab File ID:(1) WR705700.D Lab File ID:(2) WF705700.D  
Date Analyzed:(1) 08/16/2012 16:28 Date Analyzed:(2) 08/16/2012 16:28  
Instrument ID:(1) PESTGC4 Instrument ID:(2) PESTGC4  
GC Column:(1) CLP-1 ID: 0.53 (mm) GC Column:(2) CLP-2 ID: 0.53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1		DATE ANALYZED 2	
		08/16/2012	14:37	08/16/2012	14:37
	LCS 460-123243/2-A	08/16/2012	14:51	08/16/2012	14:51
20120807EB	LCSD 460-123243/3-A	08/16/2012	15:05	08/16/2012	15:05
	460-43235-5				

FORM VIII  
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVRT 460-123769/4 Date Analyzed: 08/13/2012 07:03  
Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm)  
Lab File ID (Standard): WF705424.D Heated Purge: (Y/N) N  
Calibration ID: 16631

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.38	9.94	
UPPER LIMIT				2.43	10.04	
LOWER LIMIT				2.33	9.84	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-123769/4		08/13/2012 07:03	WF705424.D	2.38	9.94	
LCS 460-123232/2-A		08/13/2012 08:18	WF705429.D	2.38	9.94	
460-43235-4 MS	20120807SB-435V0-2N MS	08/13/2012 08:31	WF705430.D	2.38	9.94	
460-43235-4 MSD	20120807SB-435V0-2N MSD	08/13/2012 08:45	WF705431.D	2.38	9.94	
460-43235-4	20120807SB-435V0-2N	08/13/2012 08:59	WF705432.D	2.38	9.94	
MB 460-123232/1-A		08/13/2012 10:51	WF705440.D	2.38	9.94	
CCV 460-123769/26		08/13/2012 12:19	WF705446.D	2.38	9.94	

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

TCX RT Limit =  $\pm$  0.05 minutes of surrogate RT  
DCB RT Limit =  $\pm$  0.1 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII  
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVRT 460-123769/4 Date Analyzed: 08/13/2012 07:03  
Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm)  
Lab File ID (Standard): WR705424.D Heated Purge: (Y/N) N  
Calibration ID: 16632

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.90	8.95	
UPPER LIMIT				1.95	9.05	
LOWER LIMIT				1.85	8.85	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-123769/4		08/13/2012 07:03	WR705424.D	1.90	8.95	
LCS 460-123232/2-A		08/13/2012 08:18	WR705429.D	1.90	8.95	
460-43235-4 MS	20120807SB-435V0-2N MS	08/13/2012 08:31	WR705430.D	1.90	8.95	
460-43235-4 MSD	20120807SB-435V0-2N MSD	08/13/2012 08:45	WR705431.D	1.90	8.95	
460-43235-4	20120807SB-435V0-2N	08/13/2012 08:59	WR705432.D	1.90	8.95	
MB 460-123232/1-A		08/13/2012 10:51	WR705440.D	1.90	8.95	
CCV 460-123769/26		08/13/2012 12:19	WR705446.D	1.90	8.95	

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

TCX RT Limit =  $\pm$  0.05 minutes of surrogate RT  
DCB RT Limit =  $\pm$  0.1 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII  
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVRT 460-123908/2 Date Analyzed: 08/13/2012 18:51  
Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm)  
Lab File ID (Standard): WF705473.D Heated Purge: (Y/N) N  
Calibration ID: 16631

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.38	9.94	
UPPER LIMIT				2.43	10.04	
LOWER LIMIT				2.33	9.84	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-123908/2		08/13/2012 18:51	WF705473.D	2.38	9.94	
460-43235-1	20120807SB-437V0-2N	08/13/2012 22:33	WF705489.D	2.38	9.94	
460-43235-2	20120807SB-438V5-6N	08/13/2012 22:47	WF705490.D	2.38	9.94	
460-43235-3	20120807SB-436V0-2N	08/13/2012 23:01	WF705491.D	2.38	9.94	
CCV 460-123908/22		08/13/2012 23:29	WF705493.D	2.39	9.94	

TCX = Tetrachloro-m-xylene  
DCB = DCB Decachlorobiphenyl

TCX RT Limit =  $\pm$  0.05 minutes of surrogate RT  
DCB RT Limit =  $\pm$  0.1 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII  
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVRT 460-123908/2 Date Analyzed: 08/13/2012 18:51  
Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm)  
Lab File ID (Standard): WR705473.D Heated Purge: (Y/N) N  
Calibration ID: 16632

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.90	8.95	
UPPER LIMIT				1.95	9.05	
LOWER LIMIT				1.85	8.85	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-123908/2		08/13/2012 18:51	WR705473.D	1.90	8.95	
460-43235-1	20120807SB-437V0-2N	08/13/2012 22:33	WR705489.D	1.90	8.95	
460-43235-2	20120807SB-438V5-6N	08/13/2012 22:47	WR705490.D	1.90	8.95	
460-43235-3	20120807SB-436V0-2N	08/13/2012 23:01	WR705491.D	1.90	8.95	
CCV 460-123908/22		08/13/2012 23:29	WR705493.D	1.90	8.95	

TCX = Tetrachloro-m-xylene  
DCB = DCB Decachlorobiphenyl

TCX RT Limit =  $\pm$  0.05 minutes of surrogate RT  
DCB RT Limit =  $\pm$  0.1 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII  
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVRT 460-124316/7 Date Analyzed: 08/16/2012 08:11  
Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm)  
Lab File ID (Standard): WF705666.D Heated Purge: (Y/N) N  
Calibration ID: 16631

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.38	9.94	
UPPER LIMIT				2.43	10.04	
LOWER LIMIT				2.33	9.84	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-124316/7		08/16/2012 08:11	WF705666.D	2.38	9.94	
CCV 460-124316/24		08/16/2012 12:21	WF705683.D	2.38	9.94	
LCS 460-123243/2-A		08/16/2012 14:37	WF705692.D	2.38	9.94	
LCSD 460-123243/3-A		08/16/2012 14:51	WF705693.D	2.38	9.94	
460-43235-5	20120807EB	08/16/2012 15:05	WF705694.D	2.38	9.94	
MB 460-123243/1-A		08/16/2012 16:28	WF705700.D	2.38	9.94	
CCV 460-124316/47		08/16/2012 17:52	WF705706.D	2.38	9.94	

TCX = Tetrachloro-m-xylene  
DCB = Decachlorobiphenyl

TCX RT Limit =  $\pm$  0.05 minutes of surrogate RT  
DCB RT Limit =  $\pm$  0.1 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM VIII  
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Sample No.: CCVRT 460-124316/7 Date Analyzed: 08/16/2012 08:11  
Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm)  
Lab File ID (Standard): WR705666.D Heated Purge: (Y/N) N  
Calibration ID: 16632

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.90	8.95	
UPPER LIMIT				1.95	9.05	
LOWER LIMIT				1.85	8.85	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 460-124316/7		08/16/2012 08:11	WR705666.D	1.90	8.95	
CCV 460-124316/24		08/16/2012 12:21	WR705683.D	1.90	8.95	
LCS 460-123243/2-A		08/16/2012 14:37	WR705692.D	1.90	8.95	
LCSD 460-123243/3-A		08/16/2012 14:51	WR705693.D	1.90	8.95	
460-43235-5	20120807EB	08/16/2012 15:05	WR705694.D	1.90	8.95	
MB 460-123243/1-A		08/16/2012 16:28	WR705700.D	1.90	8.95	
CCV 460-124316/47		08/16/2012 17:52	WR705706.D	1.90	8.95	

TCX = Tetrachloro-m-xylene  
DCB = DCB Decachlorobiphenyl

TCX RT Limit =  $\pm$  0.05 minutes of surrogate RT  
DCB RT Limit =  $\pm$  0.1 minutes of surrogate RT

# Column used to flag values outside QC limits

FORM X  
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-437V0-2N Lab Sample ID: 460-43235-1

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 08/13/2012 22:33 Date Analyzed (2): 08/13/2012 22:33

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		7.07	7.00	7.14	7.1		45.2
	2		8.16	8.09	8.23	4.5		

FORM X  
IDENTIFICATION SUMMARY

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>		
SDG No.: _____			
Client Sample ID: <u>20120807SB-435V0-2N</u>	Lab Sample ID: <u>460-43235-4</u>		
Instrument ID (1): <u>PESTGC4</u>	Instrument ID (2): <u>PESTGC4</u>		
Date Analyzed (1): <u>08/13/2012 08:59</u>	Date Analyzed (2): <u>08/13/2012 08:59</u>		
GC Column (1): <u>CLP-1</u>	ID: <u>0.53 (mm)</u>	GC Column (2): <u>CLP-2</u>	ID: <u>0.53 (mm)</u>

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
<i>4,4'-DDE</i>	1		6.09	6.02	6.16	26		5.3
	2		7.15	7.08	7.22	25		
<i>4,4'-DDD</i>	1		6.79	6.72	6.86	79		1.5
	2		7.79	7.73	7.87	80		
<i>4,4'-DDT</i>	1		7.07	7.00	7.14	4.6		10.8
	2		8.16	8.09	8.23	4.1		

FORM X  
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-435V0-2N MS Lab Sample ID: 460-43235-4 MS

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 08/13/2012 08:31 Date Analyzed (2): 08/13/2012 08:31

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.40	2.50	158		1.2
	2		3.48	3.44	3.54	159		
gamma-BHC (Lindane)	1		2.93	2.88	2.98	160		2.9
	2		4.20	4.16	4.26	155		
beta-BHC	1		3.09	3.04	3.14	156		0.2
	2		4.36	4.31	4.41	156		
delta-BHC	1		3.41	3.36	3.46	151		0.3
	2		4.95	4.90	5.00	152		
Heptachlor	1		3.79	3.74	3.84	172		6.1
	2		5.10	5.05	5.15	162		
Aldrin	1		4.34	4.29	4.39	162		3.0
	2		5.78	5.74	5.84	157		
Heptachlor epoxide	1		5.45	5.39	5.53	168		9.8
	2		6.64	6.57	6.71	153		
4,4'-DDE	1		6.09	6.02	6.16	183		3.9
	2		7.15	7.08	7.22	176		
Endosulfan I	1		6.18	6.11	6.25	162		4.8
	2		7.06	6.99	7.13	154		
Dieldrin	1		6.48	6.41	6.55	145		12.6
	2		7.36	7.29	7.43	165		
Endrin	1		6.73	6.66	6.80	172		6.0
	2		7.71	7.64	7.78	162		
4,4'-DDD	1		6.79	6.72	6.86	242		0.3
	2		7.79	7.73	7.87	241		
Endosulfan II	1		6.95	6.88	7.02	153		0.9
	2		7.95	7.88	8.02	152		
4,4'-DDT	1		7.07	7.00	7.14	170		7.4
	2		8.16	8.09	8.23	158		
Endrin aldehyde	1		7.39	7.32	7.46	160		2.4
	2		8.31	8.24	8.38	156		
Methoxychlor	1		7.58	7.51	7.65	179		0.8
	2		8.73	8.66	8.80	178		
Endosulfan sulfate	1		7.86	7.79	7.93	148		1.0
	2		8.54	8.48	8.62	149		
Endrin ketone	1		8.17	8.10	8.24	163		6.2
	2		8.94	8.87	9.01	153		

FORM X  
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: 20120807SB-435V0-2N MSD Lab Sample ID: 460-43235-4 MSD

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 08/13/2012 08:45 Date Analyzed (2): 08/13/2012 08:45

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.40	2.50	157		1.6
	2		3.49	3.44	3.54	159		
gamma-BHC (Lindane)	1		2.93	2.88	2.98	159		1.8
	2		4.21	4.16	4.26	157		
beta-BHC	1		3.10	3.04	3.14	155		1.0
	2		4.36	4.31	4.41	157		
delta-BHC	1		3.41	3.36	3.46	151		0.5
	2		4.95	4.90	5.00	152		
Heptachlor	1		3.80	3.74	3.84	172		5.9
	2		5.10	5.05	5.15	162		
Aldrin	1		4.34	4.29	4.39	162		3.0
	2		5.78	5.74	5.84	157		
Heptachlor epoxide	1		5.45	5.39	5.53	166		8.6
	2		6.64	6.57	6.71	153		
4,4'-DDE	1		6.09	6.02	6.16	180		3.3
	2		7.15	7.08	7.22	174		
Endosulfan I	1		6.18	6.11	6.25	161		4.4
	2		7.06	6.99	7.13	154		
Dieldrin	1		6.48	6.41	6.55	145		11.9
	2		7.36	7.29	7.43	163		
Endrin	1		6.72	6.66	6.80	168		3.3
	2		7.71	7.64	7.78	163		
4,4'-DDD	1		6.79	6.72	6.86	235		1.6
	2		7.79	7.73	7.87	231		
Endosulfan II	1		6.95	6.88	7.02	153		0.8
	2		7.94	7.88	8.02	152		
4,4'-DDT	1		7.07	7.00	7.14	170		6.9
	2		8.16	8.09	8.23	159		
Endrin aldehyde	1		7.39	7.32	7.46	160		2.3
	2		8.31	8.24	8.38	156		
Methoxychlor	1		7.58	7.51	7.65	179		0.6
	2		8.73	8.66	8.80	178		
Endosulfan sulfate	1		7.86	7.79	7.93	148		1.3
	2		8.54	8.48	8.62	150		
Endrin ketone	1		8.17	8.10	8.24	163		6.6
	2		8.94	8.87	9.01	152		

FORM X  
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123232/2-A

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 08/13/2012 08:18 Date Analyzed (2): 08/13/2012 08:18

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.40	2.50	122		1.4
	2		3.49	3.44	3.54	124		
gamma-BHC (Lindane)	1		2.93	2.88	2.98	124		1.6
	2		4.21	4.16	4.26	122		
beta-BHC	1		3.10	3.04	3.14	123		0.1
	2		4.36	4.31	4.41	123		
delta-BHC	1		3.41	3.36	3.46	117		1.0
	2		4.95	4.90	5.00	118		
Heptachlor	1		3.80	3.74	3.84	134		5.5
	2		5.10	5.05	5.15	127		
Aldrin	1		4.34	4.29	4.39	125		1.9
	2		5.79	5.74	5.84	122		
Heptachlor epoxide	1		5.46	5.39	5.53	124		4.4
	2		6.64	6.57	6.71	119		
4,4'-DDE	1		6.09	6.02	6.16	128		4.5
	2		7.15	7.08	7.22	123		
Endosulfan I	1		6.18	6.11	6.25	124		3.4
	2		7.06	6.99	7.13	120		
Dieldrin	1		6.48	6.41	6.55	113		1.4
	2		7.36	7.29	7.43	111		
Endrin	1		6.73	6.66	6.80	132		5.2
	2		7.71	7.64	7.78	125		
4,4'-DDD	1		6.79	6.72	6.86	130		0.5
	2		7.79	7.73	7.87	129		
Endosulfan II	1		6.95	6.88	7.02	118		1.2
	2		7.94	7.88	8.02	117		
4,4'-DDT	1		7.07	7.00	7.14	130		7.6
	2		8.16	8.09	8.23	120		
Endrin aldehyde	1		7.39	7.32	7.46	124		3.7
	2		8.31	8.24	8.38	120		
Methoxychlor	1		7.58	7.51	7.65	139		3.8
	2		8.73	8.66	8.80	133		
Endosulfan sulfate	1		7.86	7.79	7.93	116		2.5
	2		8.54	8.48	8.62	113		
Endrin ketone	1		8.17	8.10	8.24	126		7.3
	2		8.94	8.87	9.01	117		

FORM X  
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123243/2-A

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 08/16/2012 14:37 Date Analyzed (2): 08/16/2012 14:37

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.40	2.50	1.88		7.9
	2		3.48	3.44	3.54	2.03		
gamma-BHC (Lindane)	1		2.92	2.88	2.98	1.89		5.1
	2		4.20	4.16	4.26	1.99		
beta-BHC	1		3.09	3.04	3.14	1.86		6.8
	2		4.36	4.31	4.41	1.99		
delta-BHC	1		3.40	3.36	3.46	1.80		8.1
	2		4.95	4.90	5.00	1.95		
Heptachlor	1		3.79	3.74	3.84	1.34		10.9
	2		5.09	5.05	5.15	1.20		
Aldrin	1		4.33	4.29	4.39	1.84		2.9
	2		5.78	5.74	5.84	1.90		
Heptachlor epoxide	1		5.45	5.38	5.52	1.85		4.4
	2		6.64	6.57	6.71	1.93		
4,4'-DDE	1		6.09	6.02	6.16	1.89		2.4
	2		7.15	7.08	7.22	1.94		
Endosulfan I	1		6.18	6.11	6.25	1.92		2.1
	2		7.06	6.99	7.13	1.96		
Dieldrin	1		6.48	6.41	6.55	1.73		4.3
	2		7.36	7.29	7.43	1.81		
Endrin	1		6.72	6.65	6.79	2.00		0.7
	2		7.70	7.64	7.78	1.99		
4,4'-DDD	1		6.79	6.72	6.86	1.95		1.3
	2		7.79	7.72	7.86	1.98		
Endosulfan II	1		6.95	6.88	7.02	1.78		7.8
	2		7.94	7.87	8.01	1.92		
4,4'-DDT	1		7.07	7.00	7.14	1.64		2.1
	2		8.15	8.09	8.23	1.60		
Endrin aldehyde	1		7.38	7.31	7.45	1.86		1.7
	2		8.31	8.24	8.38	1.89		
Methoxychlor	1		7.58	7.51	7.65	1.43		5.5
	2		8.73	8.66	8.80	1.35		
Endosulfan sulfate	1		7.85	7.78	7.92	1.77		7.4
	2		8.54	8.47	8.61	1.91		
Endrin ketone	1		8.16	8.09	8.23	1.93		2.5
	2		8.94	8.87	9.01	1.98		

FORM X  
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-123243/3-A

Instrument ID (1): PESTGC4 Instrument ID (2): PESTGC4

Date Analyzed (1): 08/16/2012 14:51 Date Analyzed (2): 08/16/2012 14:51

GC Column (1): CLP-1 ID: 0.53 (mm) GC Column (2): CLP-2 ID: 0.53 (mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.40	2.50	1.98		8.3
	2		3.48	3.44	3.54	2.15		
gamma-BHC (Lindane)	1		2.92	2.88	2.98	1.99		5.2
	2		4.20	4.16	4.26	2.10		
beta-BHC	1		3.09	3.04	3.14	1.97		6.8
	2		4.36	4.31	4.41	2.11		
delta-BHC	1		3.40	3.36	3.46	1.95		5.2
	2		4.95	4.90	5.00	2.06		
Heptachlor	1		3.79	3.74	3.84	1.53		8.9
	2		5.09	5.05	5.15	1.40		
Aldrin	1		4.33	4.29	4.39	1.89		4.3
	2		5.78	5.74	5.84	1.97		
Heptachlor epoxide	1		5.45	5.38	5.52	1.94		5.1
	2		6.64	6.57	6.71	2.04		
4,4'-DDE	1		6.09	6.02	6.16	1.88		3.9
	2		7.15	7.08	7.22	1.96		
Endosulfan I	1		6.18	6.11	6.25	2.01		2.0
	2		7.06	6.99	7.13	2.05		
Dieldrin	1		6.48	6.41	6.55	1.80		5.1
	2		7.36	7.29	7.43	1.89		
Endrin	1		6.72	6.65	6.79	2.05		0.8
	2		7.71	7.64	7.78	2.07		
4,4'-DDD	1		6.79	6.72	6.86	2.04		0.3
	2		7.79	7.72	7.86	2.03		
Endosulfan II	1		6.95	6.88	7.02	1.85		9.0
	2		7.94	7.87	8.01	2.02		
4,4'-DDT	1		7.07	7.00	7.14	1.75		5.8
	2		8.15	8.09	8.23	1.65		
Endrin aldehyde	1		7.38	7.31	7.45	1.94		2.9
	2		8.31	8.24	8.38	1.99		
Methoxychlor	1		7.58	7.51	7.65	1.61		11.0
	2		8.73	8.66	8.80	1.44		
Endosulfan sulfate	1		7.85	7.78	7.92	1.84		7.9
	2		8.54	8.47	8.61	2.00		
Endrin ketone	1		8.16	8.09	8.23	2.01		2.8
	2		8.94	8.87	9.01	2.07		

FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807SB-437V0-2N Lab Sample ID: 460-43235-1  
Matrix: Solid Lab File ID: WF705489.D  
Analysis Method: 8081A Date Collected: 08/07/2012 08:50  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.04(g) Date Analyzed: 08/13/2012 22:33  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
% Moisture: 4.2 GPC Cleanup: (Y/N) N  
Analysis Batch No.: 123908 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-29-3	4, 4'-DDT	4.5	J p	7.0	0.87

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		40-150
2051-24-3	DCB Decachlorobiphenyl	107		53-150

Data File: WF705489.D  
Report Date: 14-Aug-2012 09:54

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/WF705489.D  
Lab Smp Id: 460-43235-E-1-A Client Smp ID: 20120807SB-437V0-2N  
Inj Date : 13-AUG-2012 22:33  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-1-A  
Misc Info : 460-43235-E-1-A  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/08WF8081.m  
Meth Date : 14-Aug-2012 08:34 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.04000	Weight of sample extracted (g)
M	4.18327	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
<hr/>						
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
2.383	2.387	-0.004	224812 53.5221	37	80.00- 120.00	100.00
<hr/>						
9 4,4'-DDT				CAS #: 50-29-3		
8.157	8.157	0.000	19413 6.48117	4.5	80.00- 120.00	100.00
<hr/>						
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
9.937	9.937	0.000	150160 53.5562	37	80.00- 120.00	100.00
<hr/>						

Data File: WF705489.D

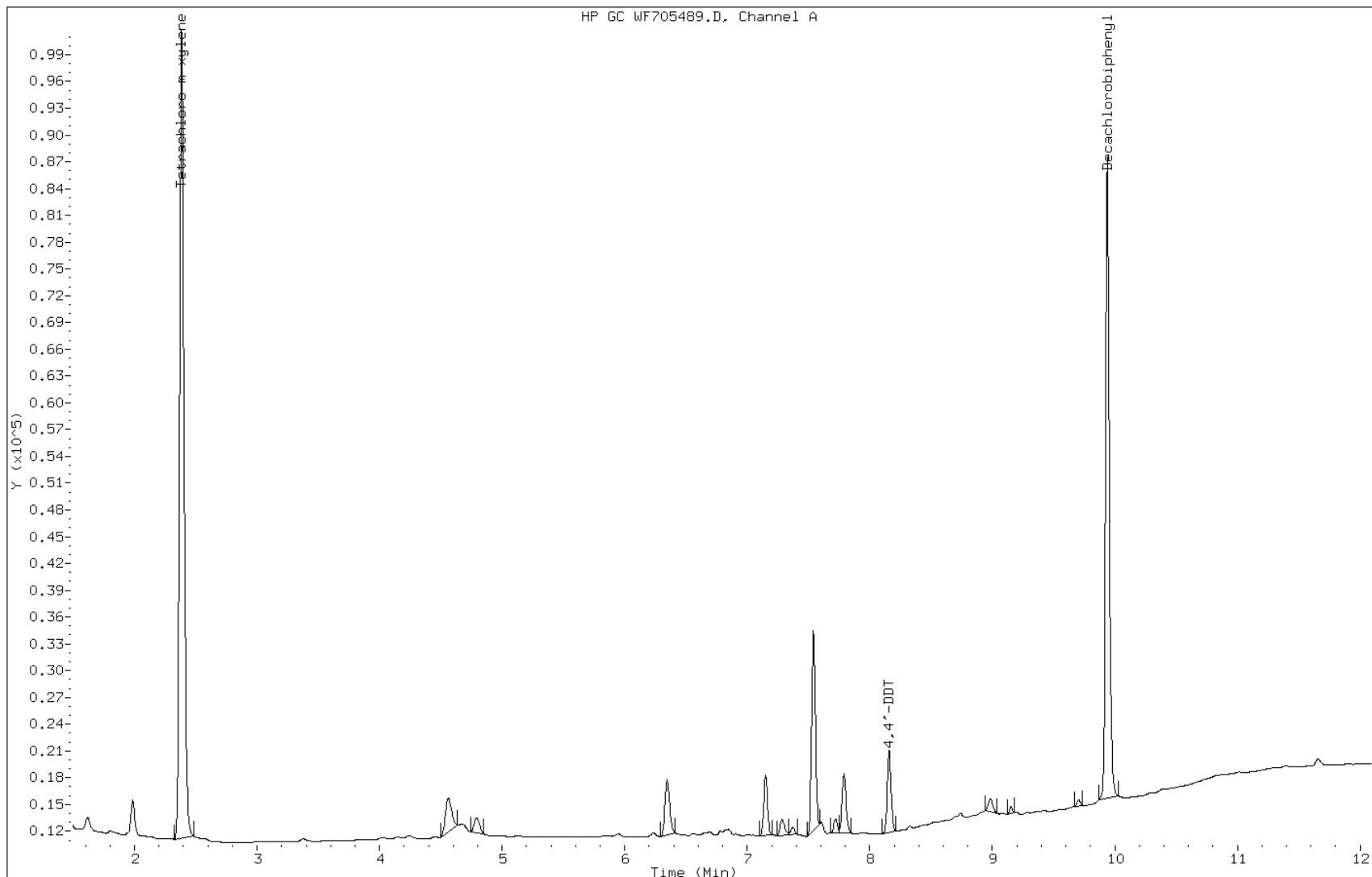
Date: 13-AUG-2012 22:33

Client ID: 20120807SB-437V0-2N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-1-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-437V0-2N Lab Sample ID: 460-43235-1  
Matrix: Solid Lab File ID: WR705489.D  
Analysis Method: 8081A Date Collected: 08/07/2012 08:50  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.04(g) Date Analyzed: 08/13/2012 22:33  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
% Moisture: 4.2 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123908 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.5	U	7.0	1.5
319-84-6	alpha-BHC	1.3	U	7.0	1.3
319-85-7	beta-BHC	0.95	U	7.0	0.95
319-86-8	delta-BHC	1.1	U	7.0	1.1
58-89-9	gamma-BHC (Lindane)	0.81	U	7.0	0.81
57-74-9	Chlordane	15	U	70	15
72-54-8	4,4'-DDD	0.83	U	7.0	0.83
72-55-9	4,4'-DDE	1.4	U	7.0	1.4
60-57-1	Dieldrin	1.3	U	7.0	1.3
959-98-8	Endosulfan I	1.5	U	7.0	1.5
33213-65-9	Endosulfan II	1.1	U	7.0	1.1
1031-07-8	Endosulfan sulfate	0.90	U	7.0	0.90
72-20-8	Endrin	0.98	U	7.0	0.98
7421-93-4	Endrin aldehyde	1.7	U	7.0	1.7
53494-70-5	Endrin ketone	1.0	U	7.0	1.0
76-44-8	Heptachlor	1.0	U	7.0	1.0
1024-57-3	Heptachlor epoxide	1.4	U	7.0	1.4
72-43-5	Methoxychlor	0.78	U	7.0	0.78
8001-35-2	Toxaphene	15	U	70	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		40-150
2051-24-3	DCB Decachlorobiphenyl	109		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/WR705489.D  
Lab Smp Id: 460-43235-E-1-A Client Smp ID: 20120807SB-437V0-2N  
Inj Date : 13-AUG-2012 22:33  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-1-A  
Misc Info : 460-43235-E-1-A  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/08Wr8081.m  
Meth Date : 14-Aug-2012 08:30 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.04000	Weight of sample extracted (g)
M	4.18327	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
<hr/>						
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
1.900	1.900	0.000	222718 53.3843	37	80.00- 120.00	100.00
<hr/>						
9 4,4'-DDT				CAS #: 50-29-3		
7.073	7.073	0.000	33238 10.2671	7.1	80.00- 120.00	100.00
<hr/>						
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
8.947	8.947	0.000	154834 54.2780	38	80.00- 120.00	100.00
<hr/>						

Data File: WR705489.D

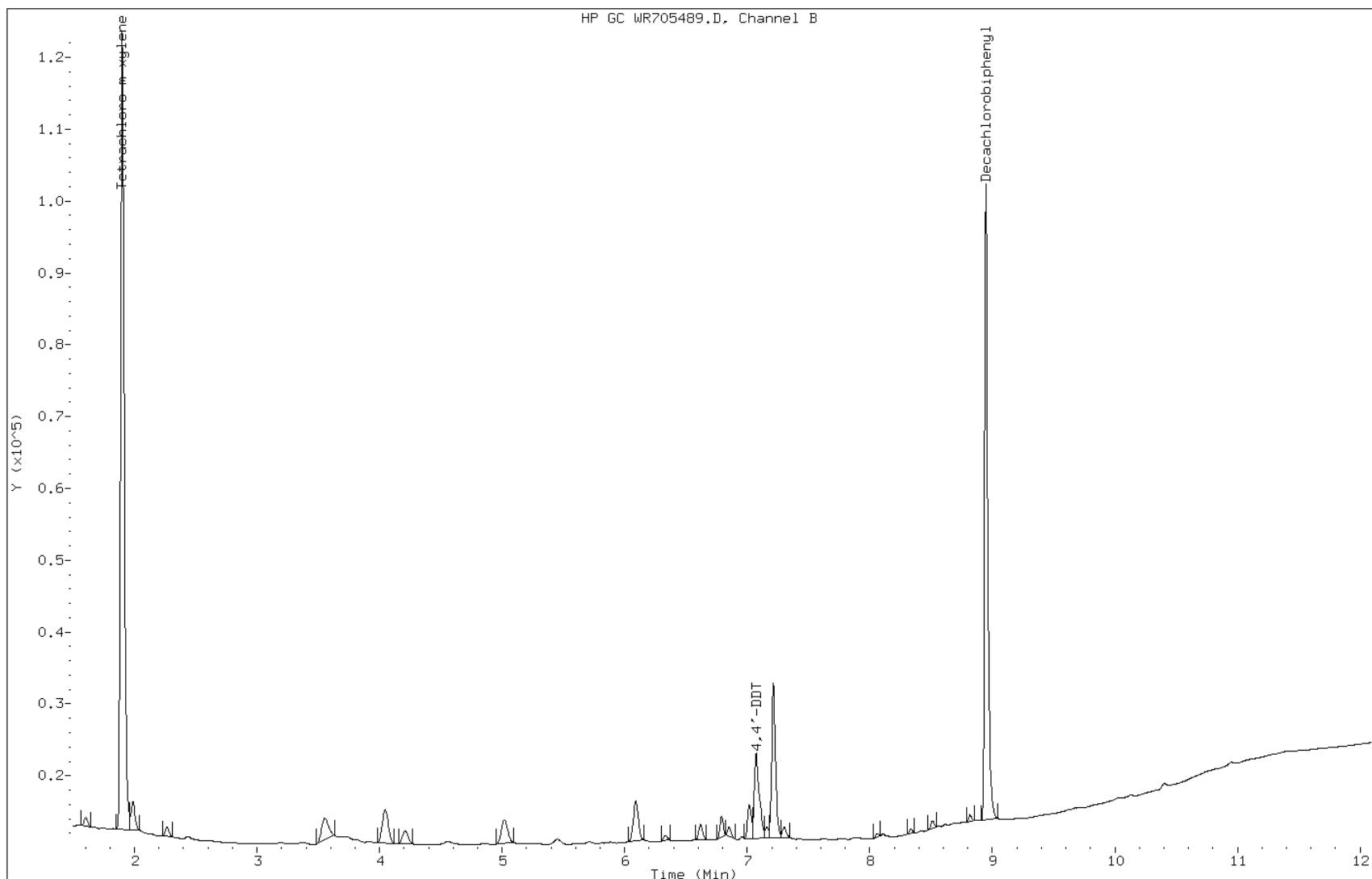
Date: 13-AUG-2012 22:33

Client ID: 20120807SB-437V0-2N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-1-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807SB-438V5-6N Lab Sample ID: 460-43235-2  
Matrix: Solid Lab File ID: WF705490.D  
Analysis Method: 8081A Date Collected: 08/07/2012 09:25  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 22:47  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
% Moisture: 16.6 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123908 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		40-150
2051-24-3	DCB Decachlorobiphenyl	98		53-150

Data File: WF705490.D  
Report Date: 14-Aug-2012 09:55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/WF705490.D  
Lab Smp Id: 460-43235-E-2-A Client Smp ID: 20120807SB-438V5-6N  
Inj Date : 13-AUG-2012 22:47  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-2-A  
Misc Info : 460-43235-E-2-A  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/08WF8081.m  
Meth Date : 14-Aug-2012 08:34 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	16.60305	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
<hr/>						
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
2.383	2.387	-0.004	166440	39.6253	32 80.00- 120.00	100.00
<hr/>						
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
9.937	9.937	0.000	136752	48.7739	39 80.00- 120.00	100.00
<hr/>						

Data File: WF705490.D

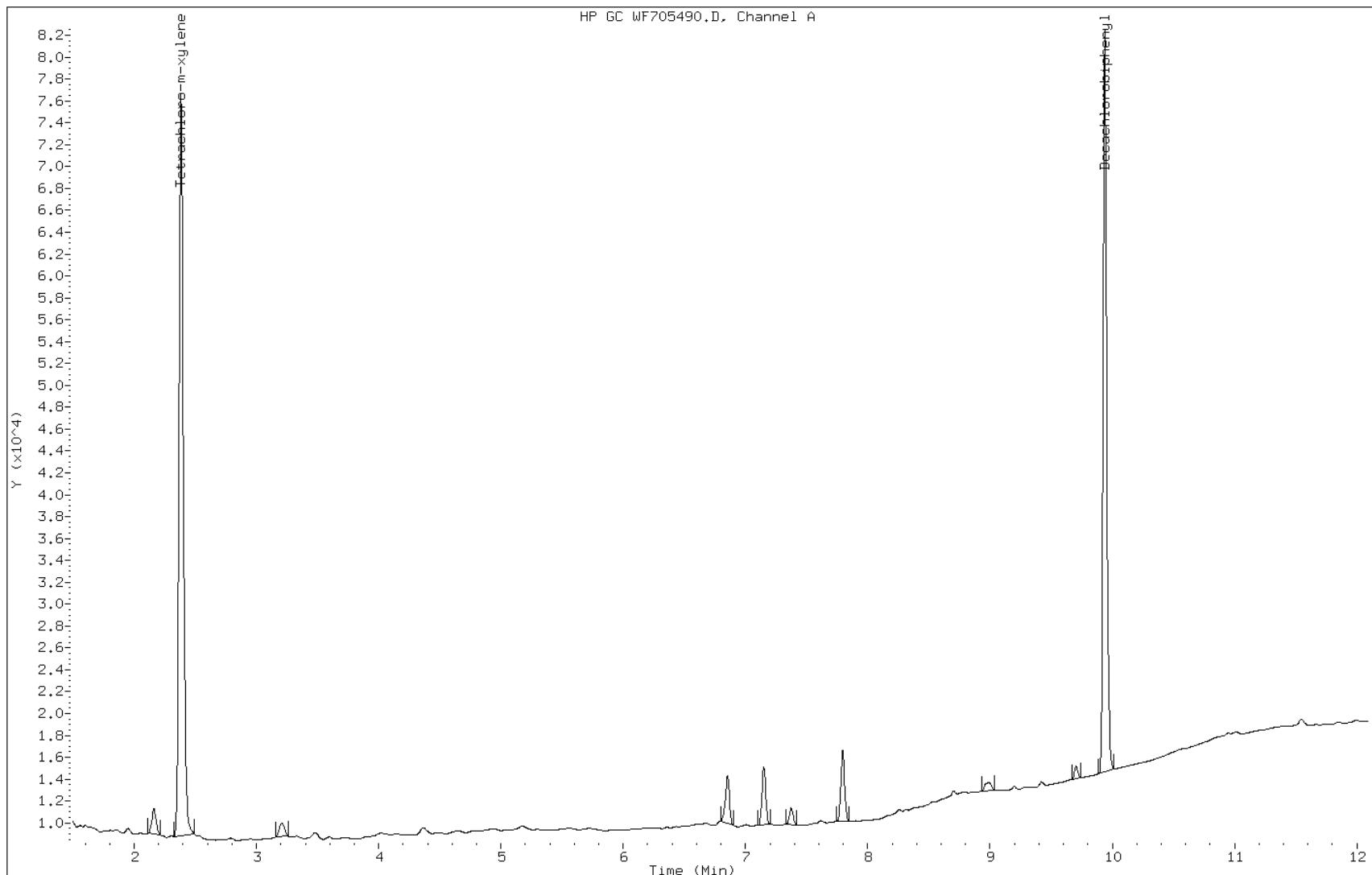
Date: 13-AUG-2012 22:47

Client ID: 20120807SB-438V5-6N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-2-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-438V5-6N Lab Sample ID: 460-43235-2  
Matrix: Solid Lab File ID: WR705490.D  
Analysis Method: 8081A Date Collected: 08/07/2012 09:25  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 22:47  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
% Moisture: 16.6 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123908 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.8	U	8.0	1.8
319-84-6	alpha-BHC	1.5	U	8.0	1.5
319-85-7	beta-BHC	1.1	U	8.0	1.1
319-86-8	delta-BHC	1.2	U	8.0	1.2
58-89-9	gamma-BHC (Lindane)	0.94	U	8.0	0.94
57-74-9	Chlordane	17	U	80	17
72-54-8	4,4'-DDD	0.96	U	8.0	0.96
72-55-9	4,4'-DDE	1.6	U	8.0	1.6
50-29-3	4,4'-DDT	1.0	U	8.0	1.0
60-57-1	Dieldrin	1.5	U	8.0	1.5
959-98-8	Endosulfan I	1.7	U	8.0	1.7
33213-65-9	Endosulfan II	1.2	U	8.0	1.2
1031-07-8	Endosulfan sulfate	1.0	U	8.0	1.0
72-20-8	Endrin	1.1	U	8.0	1.1
7421-93-4	Endrin aldehyde	2.0	U	8.0	2.0
53494-70-5	Endrin ketone	1.2	U	8.0	1.2
76-44-8	Heptachlor	1.2	U	8.0	1.2
1024-57-3	Heptachlor epoxide	1.6	U	8.0	1.6
72-43-5	Methoxychlor	0.90	U	8.0	0.90
8001-35-2	Toxaphene	17	U	80	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		40-150
2051-24-3	DCB Decachlorobiphenyl	100		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/WR705490.D  
Lab Smp Id: 460-43235-E-2-A Client Smp ID: 20120807SB-438V5-6N  
Inj Date : 13-AUG-2012 22:47  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-2-A  
Misc Info : 460-43235-E-2-A  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/08Wr8081.m  
Meth Date : 14-Aug-2012 08:30 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	16.60305	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
<hr/>						
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
1.900	1.900	0.000	171373 41.0770	33	80.00- 120.00	100.00
<hr/>						
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
8.947	8.947	0.000	142647 50.0058	40	80.00- 120.00	100.00
<hr/>						

Data File: WR705490.D

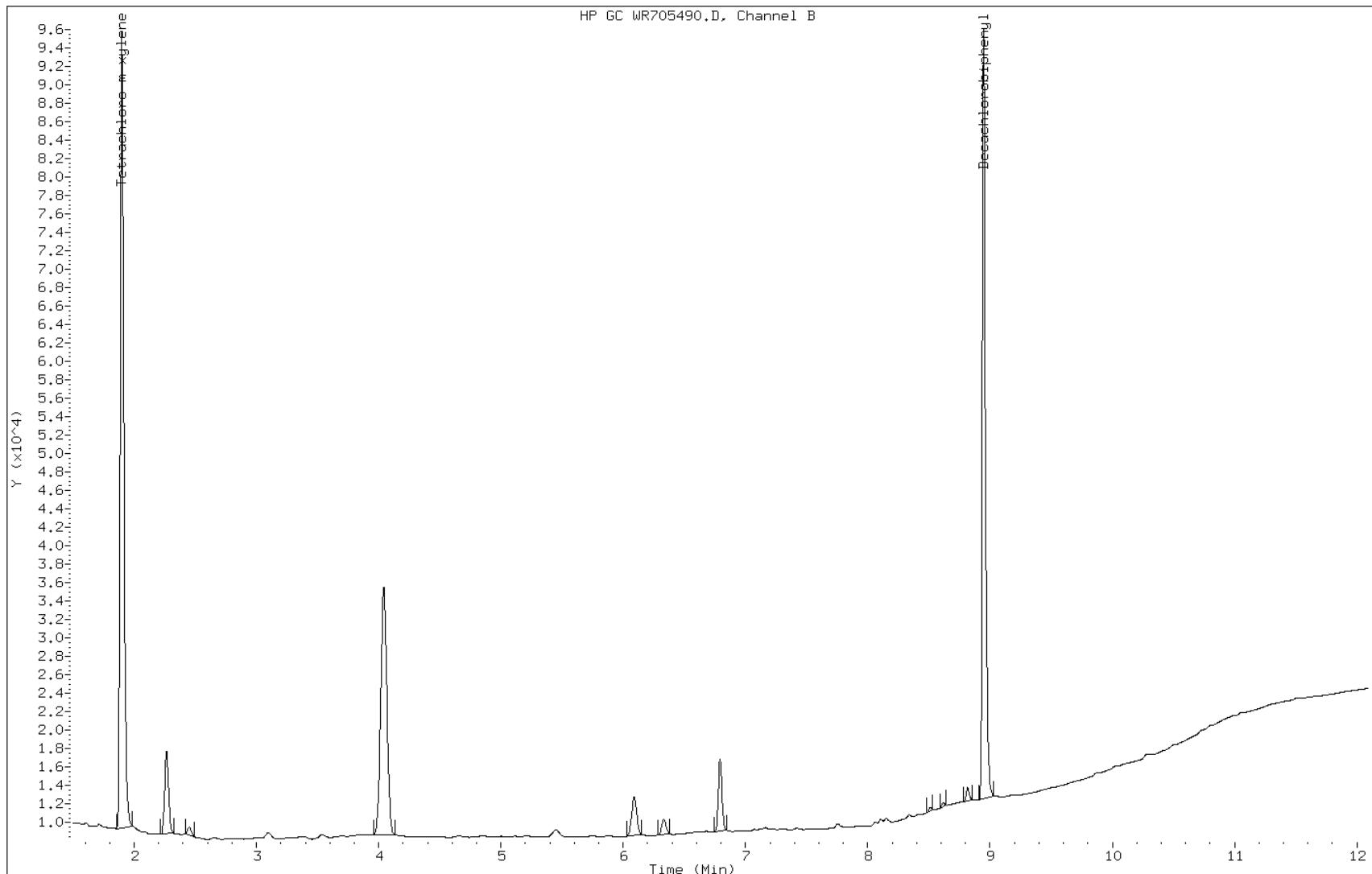
Date: 13-AUG-2012 22:47

Client ID: 20120807SB-438V5-6N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-2-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807SB-436V0-2N Lab Sample ID: 460-43235-3  
Matrix: Solid Lab File ID: WF705491.D  
Analysis Method: 8081A Date Collected: 08/07/2012 09:45  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 23:01  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
% Moisture: 2.5 GPC Cleanup: (Y/N) N  
Analysis Batch No.: 123908 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	108		40-150
2051-24-3	DCB Decachlorobiphenyl	101		53-150

Data File: WF705491.D  
Report Date: 14-Aug-2012 09:55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/WF705491.D  
Lab Smp Id: 460-43235-E-3-A Client Smp ID: 20120807SB-436V0-2N  
Inj Date : 13-AUG-2012 23:01  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-3-A  
Misc Info : 460-43235-E-3-A  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/08WF8081.m  
Meth Date : 14-Aug-2012 08:34 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	2.50000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
<hr/>						
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
2.383	2.387	-0.004	226215	53.8561	37 80.00- 120.00	100.00
<hr/>						
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
9.937	9.937	0.000	142022	50.6535	35 80.00- 120.00	100.00
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Data File: WF705491.D

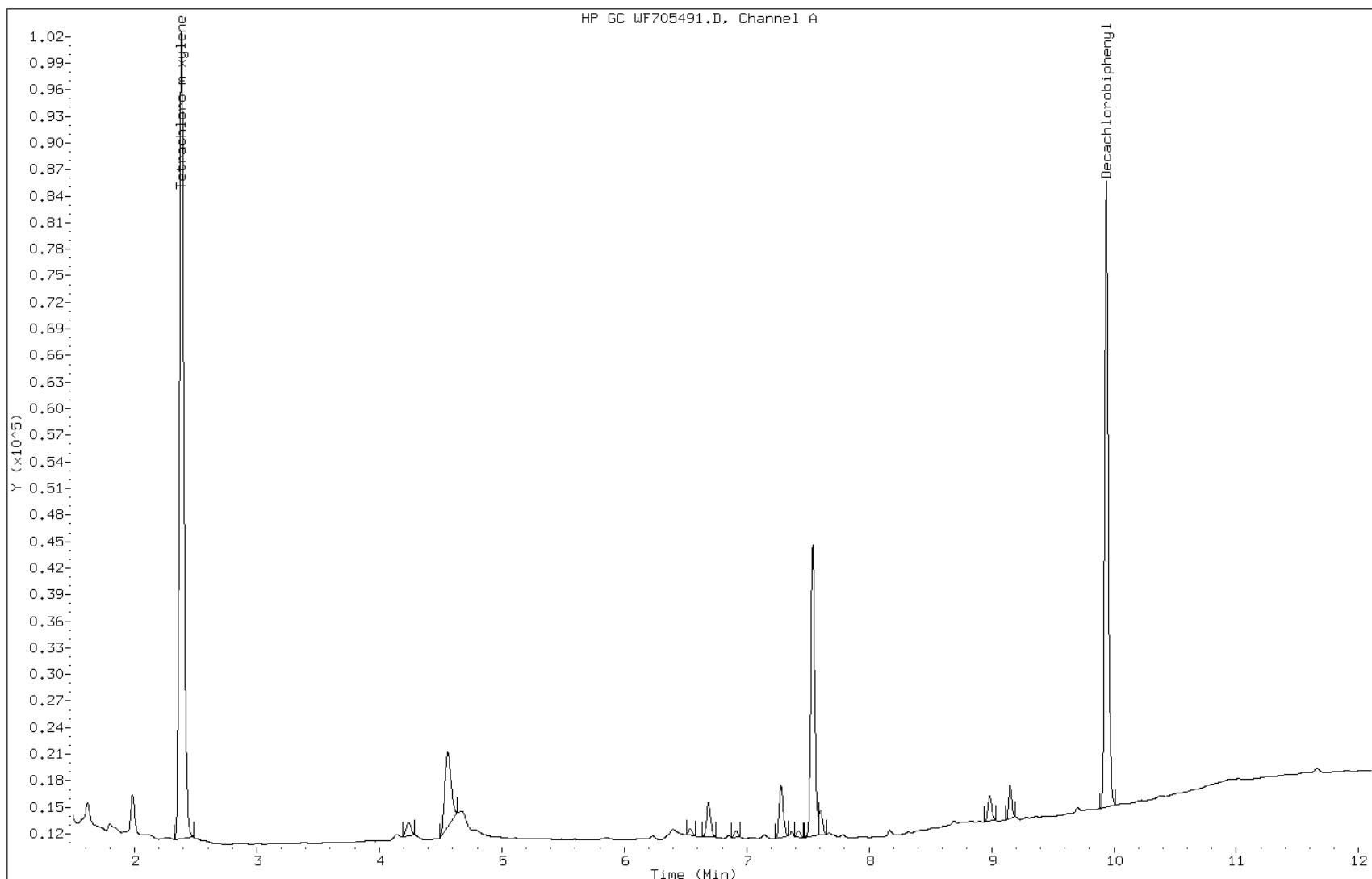
Date: 13-AUG-2012 23:01

Client ID: 20120807SB-436V0-2N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-3-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-436V0-2N Lab Sample ID: 460-43235-3  
Matrix: Solid Lab File ID: WR705491.D  
Analysis Method: 8081A Date Collected: 08/07/2012 09:45  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 23:01  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
% Moisture: 2.5 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123908 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.5	U	6.9	1.5
319-84-6	alpha-BHC	1.3	U	6.9	1.3
319-85-7	beta-BHC	0.93	U	6.9	0.93
319-86-8	delta-BHC	1.0	U	6.9	1.0
58-89-9	gamma-BHC (Lindane)	0.80	U	6.9	0.80
57-74-9	Chlordane	15	U	69	15
72-54-8	4,4'-DDD	0.82	U	6.9	0.82
72-55-9	4,4'-DDE	1.3	U	6.9	1.3
50-29-3	4,4'-DDT	0.86	U	6.9	0.86
60-57-1	Dieldrin	1.3	U	6.9	1.3
959-98-8	Endosulfan I	1.4	U	6.9	1.4
33213-65-9	Endosulfan II	1.0	U	6.9	1.0
1031-07-8	Endosulfan sulfate	0.88	U	6.9	0.88
72-20-8	Endrin	0.96	U	6.9	0.96
7421-93-4	Endrin aldehyde	1.7	U	6.9	1.7
53494-70-5	Endrin ketone	1.0	U	6.9	1.0
76-44-8	Heptachlor	0.98	U	6.9	0.98
1024-57-3	Heptachlor epoxide	1.4	U	6.9	1.4
72-43-5	Methoxychlor	0.77	U	6.9	0.77
8001-35-2	Toxaphene	14	U	69	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		40-150
2051-24-3	DCB Decachlorobiphenyl	117		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/WR705491.D  
Lab Smp Id: 460-43235-E-3-A Client Smp ID: 20120807SB-436V0-2N  
Inj Date : 13-AUG-2012 23:01  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-3-A  
Misc Info : 460-43235-E-3-A  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/08Wr8081.m  
Meth Date : 14-Aug-2012 08:30 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	2.50000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
<hr/>						
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
1.900	1.900	0.000	223184 53.4960	36	80.00- 120.00	100.00
<hr/>						
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
8.947	8.947	0.000	166842 58.4875	40	80.00- 120.00	100.00
<hr/>						

Data File: WR705491.D

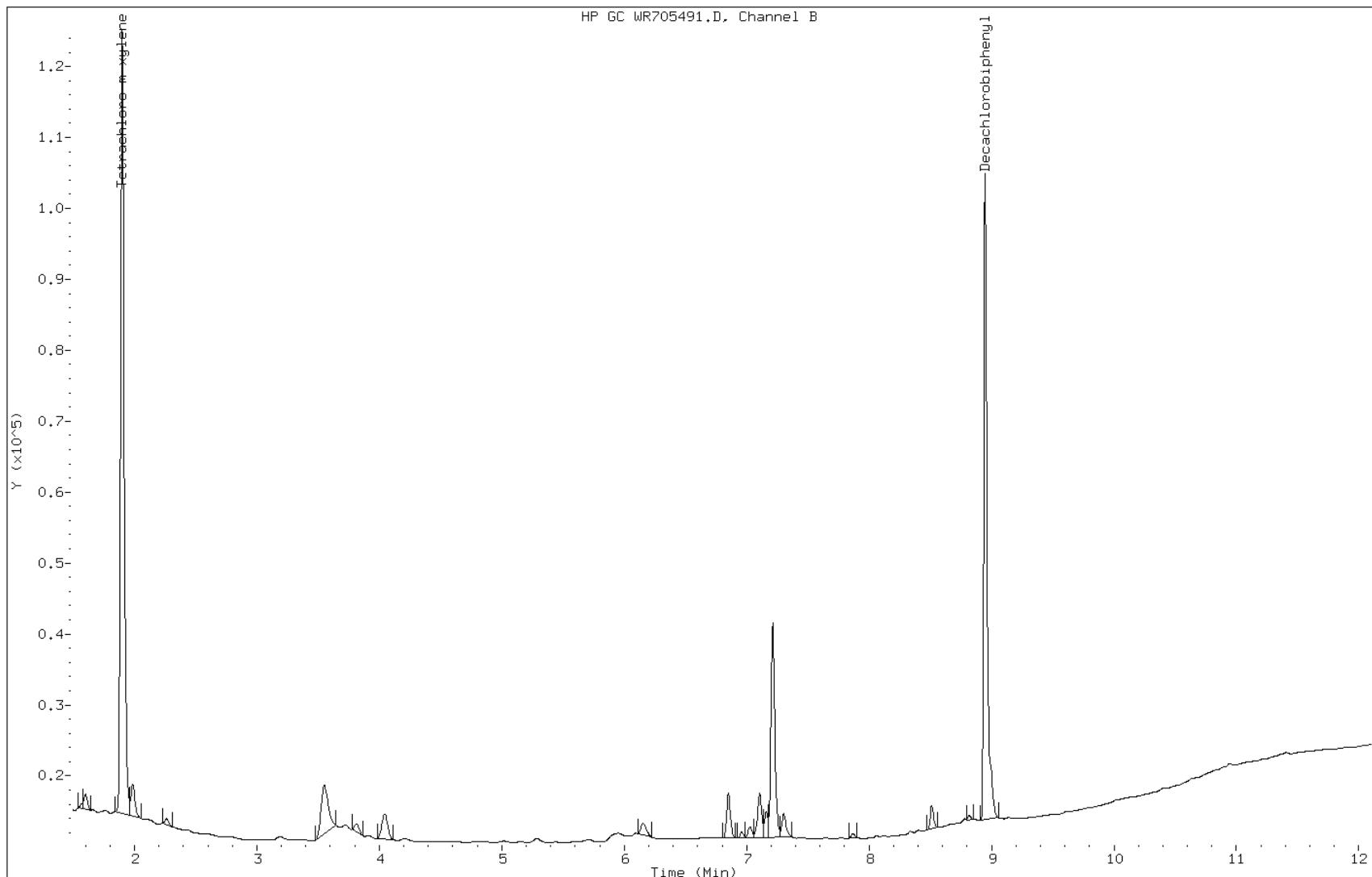
Date: 13-AUG-2012 23:01

Client ID: 20120807SB-436V0-2N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-3-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-435V0-2N</u>	Lab Sample ID: <u>460-43235-4</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WF705432.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>08/07/2012 10:40</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>08/09/2012 08:35</u>
Sample wt/vol: <u>15.05(g)</u>	Date Analyzed: <u>08/13/2012 08:59</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1(uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53(mm)</u>
% Moisture: <u>19.6</u>	GPC Cleanup:(Y/N) <u>N</u>
Analysis Batch No.: <u>123769</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4, 4'-DDD	80		8.3	0.99

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		40-150
2051-24-3	DCB Decachlorobiphenyl	108		53-150

Data File: WF705432.D  
Report Date: 13-Aug-2012 12:49

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705432.D  
Lab Smp Id: 460-43235-E-4-C Client Smp ID: 20120807SB-435V0-2N  
Inj Date : 13-AUG-2012 08:59  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-4-C  
Misc Info : 460-43235-E-4-C  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08WF8081.m  
Meth Date : 13-Aug-2012 12:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.05000	Weight of sample extracted (g)
M	19.61538	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
2.383	2.383	0.000	224442 53.4339	44	80.00- 120.00	100.00
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8 4,4'-DDE				CAS #: 72-55-9		
7.150	7.150	0.000	109710 30.1140	25	80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
7 4,4'-DDD				CAS #: 72-54-8		
7.793	7.793	0.000	283155 96.9638	80	80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
9 4,4'-DDT				CAS #: 50-29-3		
8.160	8.157	0.003	14951 4.99135	4.1	80.00- 120.00	100.00
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\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
9.940	9.940	0.000	151175 53.9180	44	80.00- 120.00	100.00
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Data File: WF705432.D

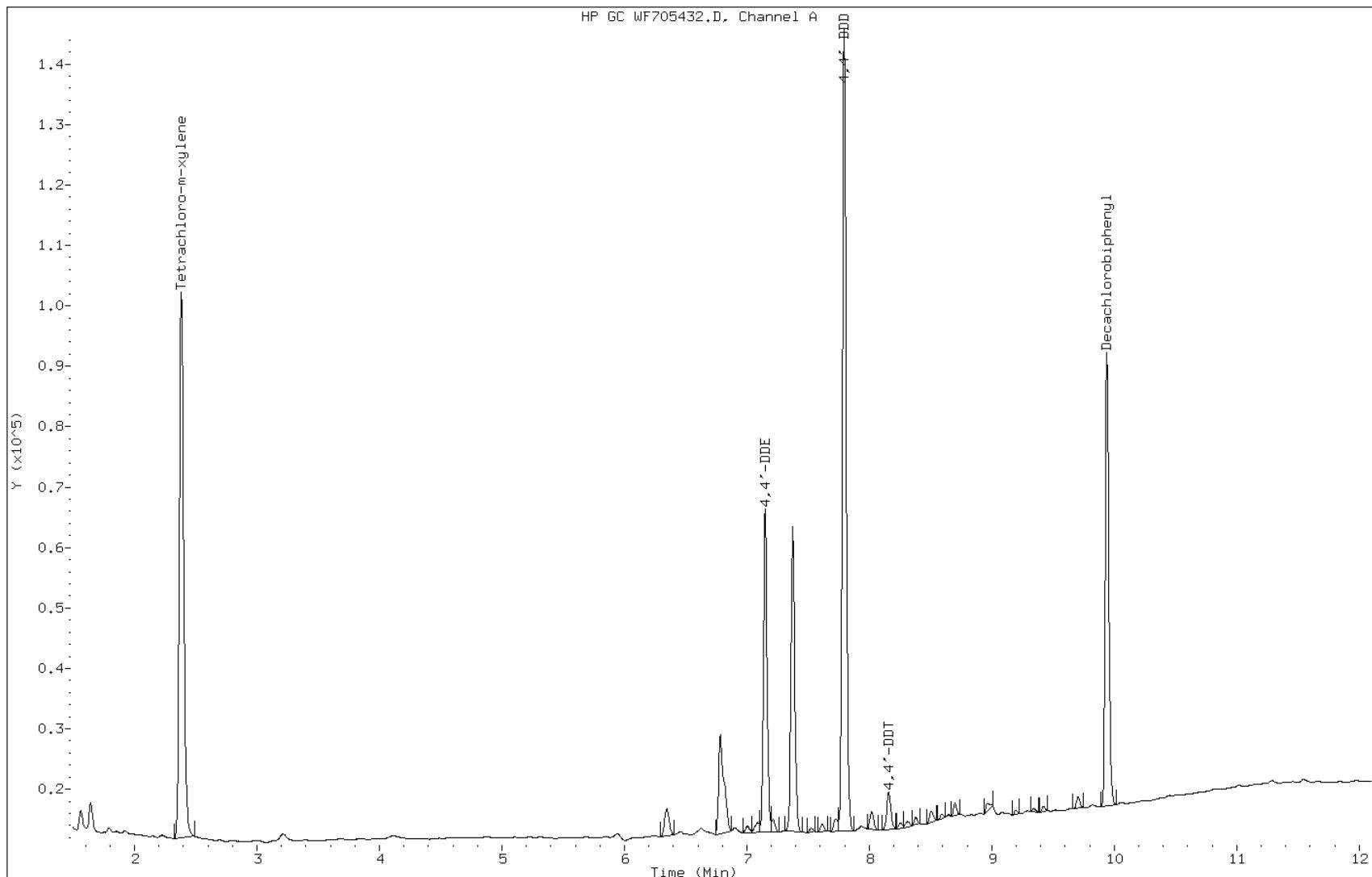
Date: 13-AUG-2012 08:59

Client ID: 20120807SB-435V0-2N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-4-C

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-435V0-2N Lab Sample ID: 460-43235-4  
Matrix: Solid Lab File ID: WR705432.D  
Analysis Method: 8081A Date Collected: 08/07/2012 10:40  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.05(g) Date Analyzed: 08/13/2012 08:59  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
% Moisture: 19.6 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123769 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.8	U	8.3	1.8
319-84-6	alpha-BHC	1.5	U	8.3	1.5
319-85-7	beta-BHC	1.1	U	8.3	1.1
319-86-8	delta-BHC	1.3	U	8.3	1.3
58-89-9	gamma-BHC (Lindane)	0.97	U	8.3	0.97
57-74-9	Chlordane	18	U	83	18
72-55-9	4,4'-DDE	26		8.3	1.6
50-29-3	4,4'-DDT	4.6	J	8.3	1.0
60-57-1	Dieldrin	1.6	U	8.3	1.6
959-98-8	Endosulfan I	1.7	U	8.3	1.7
33213-65-9	Endosulfan II	1.3	U	8.3	1.3
1031-07-8	Endosulfan sulfate	1.1	U	8.3	1.1
72-20-8	Endrin	1.2	U	8.3	1.2
7421-93-4	Endrin aldehyde	2.1	U	8.3	2.1
53494-70-5	Endrin ketone	1.2	U	8.3	1.2
76-44-8	Heptachlor	1.2	U	8.3	1.2
1024-57-3	Heptachlor epoxide	1.7	U	8.3	1.7
72-43-5	Methoxychlor	0.93	U	8.3	0.93
8001-35-2	Toxaphene	17	U	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	110		40-150
2051-24-3	DCB Decachlorobiphenyl	115		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705432.D  
Lab Smp Id: 460-43235-E-4-C Client Smp ID: 20120807SB-435V0-2N  
Inj Date : 13-AUG-2012 08:59  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-4-C  
Misc Info : 460-43235-E-4-C  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.05000	Weight of sample extracted (g)
M	19.61538	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	( ug/kg )	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
1.897	1.897	0.000	228469 54.7626		80.00- 120.00	100.00(aR)
-----	-----	-----	-----	-----	-----	-----
8 4,4'-DDE				CAS #: 72-55-9		
6.090	6.090	0.000	127625 31.7505		80.00- 120.00	100.00(a)
-----	-----	-----	-----	-----	-----	-----
7 4,4'-DDD				CAS #: 72-54-8		
6.790	6.790	0.000	308390 95.4794		80.00- 120.00	100.00(a)
-----	-----	-----	-----	-----	-----	-----
9 4,4'-DDT				CAS #: 50-29-3		
7.073	7.073	0.000	18002 5.56069		80.00- 120.00	100.00(a)
-----	-----	-----	-----	-----	-----	-----
\$ 30 Decachlorobiphenyl				CAS #: 2051-24-3		
8.950	8.950	0.000	164244 57.5767		80.00- 120.00	100.00(aR)
-----	-----	-----	-----	-----	-----	-----

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- R - Spike/Surrogate failed recovery limits.

Data File: WR705432.D

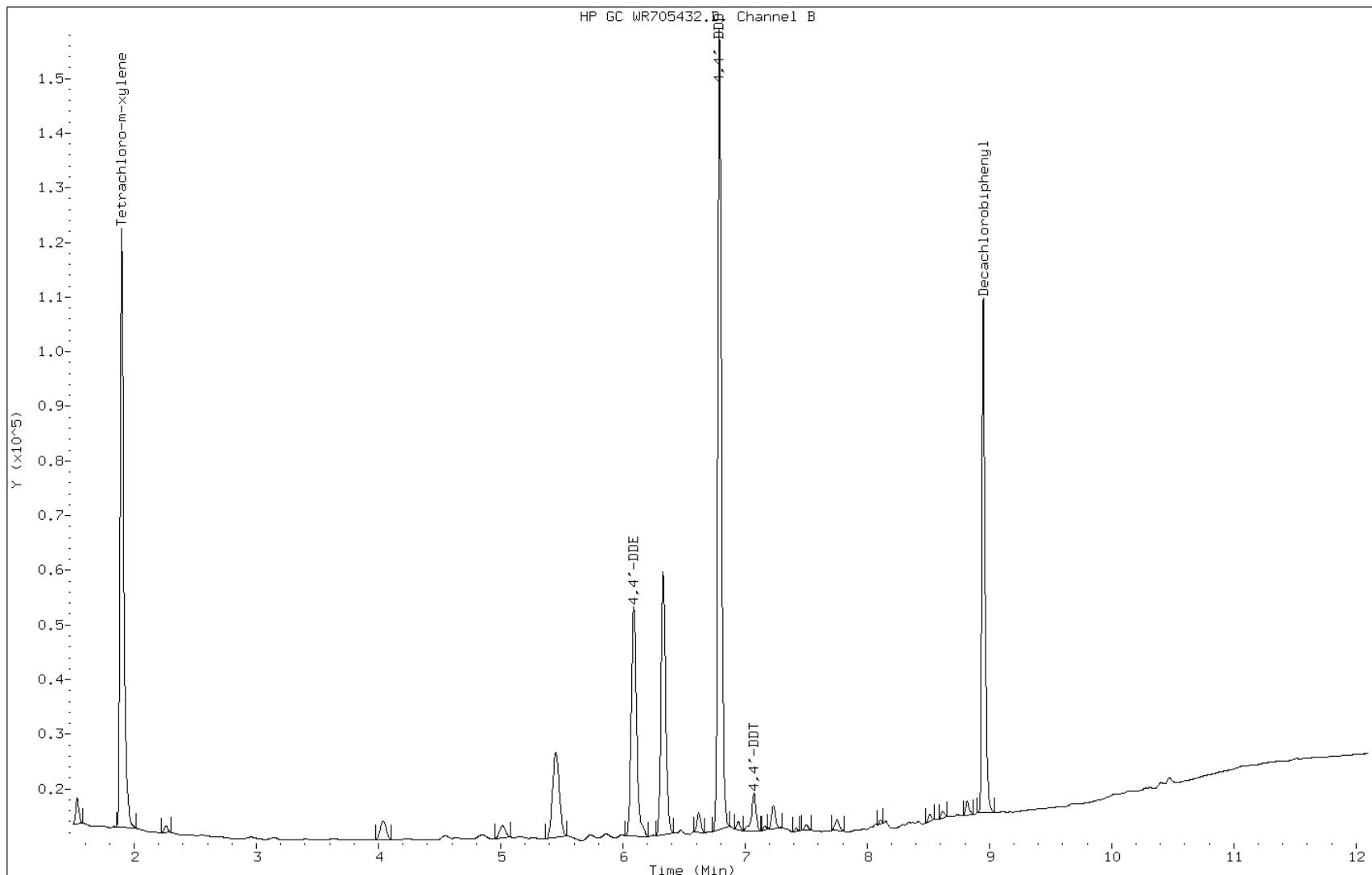
Date: 13-AUG-2012 08:59

Client ID: 20120807SB-435V0-2N

Instrument: PESTGC4.i

Sample Info: 460-43235-E-4-C

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: 20120807EB Lab Sample ID: 460-43235-5  
Matrix: Water Lab File ID: WF705694.D  
Analysis Method: 8081A Date Collected: 08/07/2012 12:15  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 830 (mL) Date Analyzed: 08/16/2012 15:05  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume: \_\_\_\_\_ GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124316 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	115		49-132
2051-24-3	DCB Decachlorobiphenyl	66		37-144

Data File: WF705694.D  
Report Date: 17-Aug-2012 10:23

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705694.D  
Lab Smp Id: 460-43235-E-5-A  
Inj Date : 16-AUG-2012 15:05  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-5-A  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 17-Aug-2012 07:55 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	830.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL				FINAL					
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/l)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====	====		
<hr/>									
\$ 28	Tetrachloro-m-xylene			CAS #: 877-09-8					
2.383	2.383	0.000	484657	115.384	0.70	80.00-	120.00	100.00	
<hr/>									
\$ 30	Decachlorobiphenyl			CAS #: 2051-24-3					
9.937	9.937	0.000	186361	66.4675	0.40	80.00-	120.00	100.00	
<hr/>									

Data File: WF705694.D

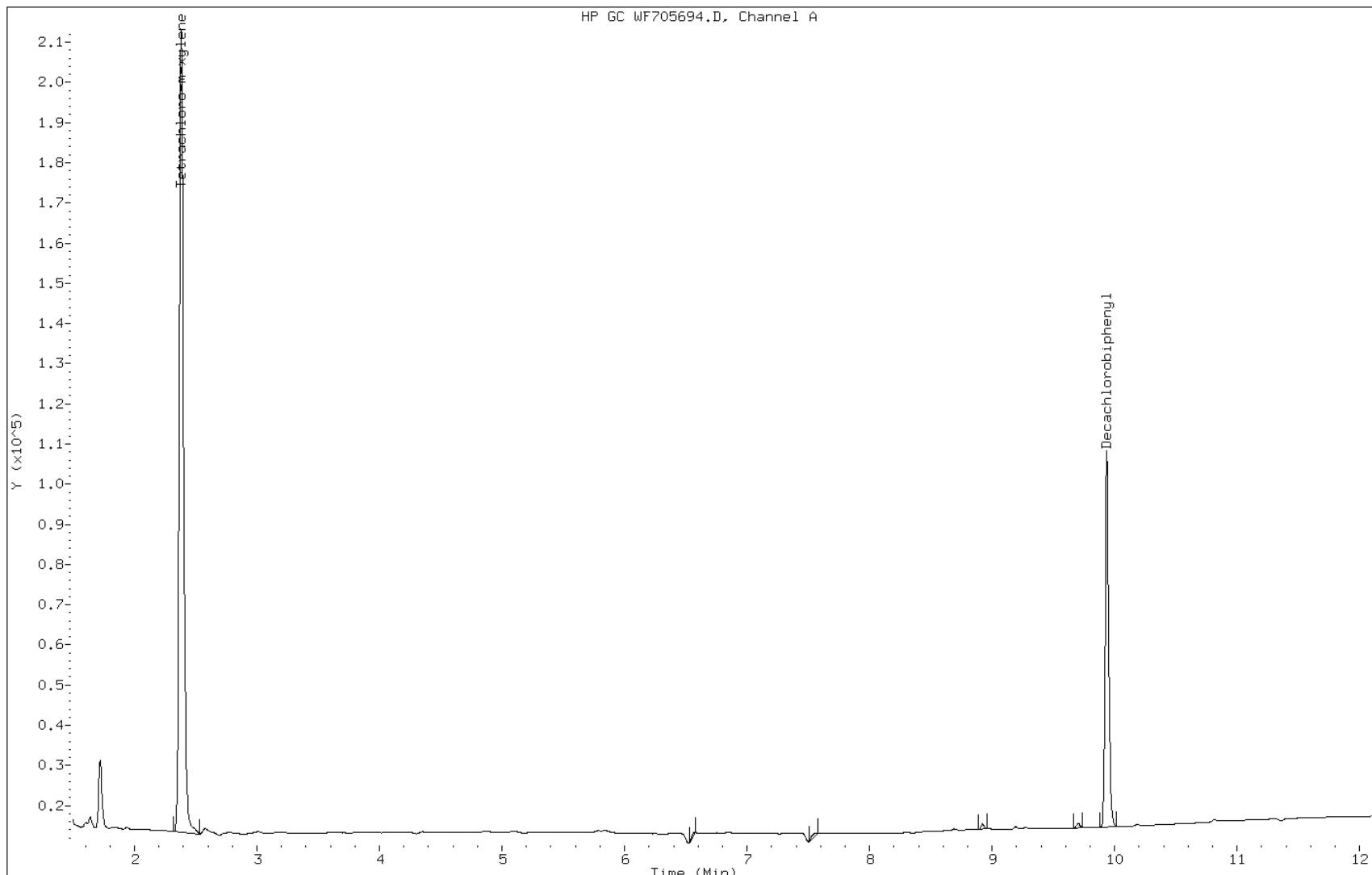
Date: 16-AUG-2012 15:05

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-43235-E-5-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807EB Lab Sample ID: 460-43235-5  
Matrix: Water Lab File ID: WR705694.D  
Analysis Method: 8081A Date Collected: 08/07/2012 12:15  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 830 (mL) Date Analyzed: 08/16/2012 15:05  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume:  
% Moisture:  
Analysis Batch No.: 124316 GC Column: CLP-1 ID: 0.53 (mm)  
GPC Cleanup: (Y/N) N Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.012	U	0.060	0.012
319-84-6	alpha-BHC	0.012	U	0.060	0.012
319-85-7	beta-BHC	0.013	U	0.060	0.013
319-86-8	delta-BHC	0.011	U	0.060	0.011
58-89-9	gamma-BHC (Lindane)	0.014	U	0.060	0.014
57-74-9	Chlordane	0.40	U	0.60	0.40
72-54-8	4,4'-DDD	0.013	U	0.060	0.013
72-55-9	4,4'-DDE	0.011	U	0.060	0.011
50-29-3	4,4'-DDT	0.012	U	0.060	0.012
60-57-1	Dieldrin	0.0060	U	0.060	0.0060
959-98-8	Endosulfan I	0.011	U	0.060	0.011
33213-65-9	Endosulfan II	0.012	U	0.060	0.012
1031-07-8	Endosulfan sulfate	0.019	U	0.060	0.019
72-20-8	Endrin	0.012	U	0.060	0.012
7421-93-4	Endrin aldehyde	0.011	U	0.060	0.011
53494-70-5	Endrin ketone	0.013	U	0.060	0.013
76-44-8	Heptachlor	0.012	U	0.060	0.012
1024-57-3	Heptachlor epoxide	0.012	U	0.060	0.012
72-43-5	Methoxychlor	0.016	U	0.060	0.016
8001-35-2	Toxaphene	0.24	U	0.60	0.24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		49-132
2051-24-3	DCB Decachlorobiphenyl	69		37-144

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705694.D  
Lab Smp Id: 460-43235-E-5-A  
Inj Date : 16-AUG-2012 15:05  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-5-A  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 17-Aug-2012 07:51 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	830.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL				FINAL					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	( ug/l )	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====	====	====	====
<hr/>									
\$ 28	Tetrachloro-m-xylene			CAS #: 877-09-8					
1.897	1.897	0.000	443760	106.367	0.64	80.00-	120.00	100.00	
<hr/>									
\$ 30	Decachlorobiphenyl			CAS #: 2051-24-3					
8.947	8.947	0.000	197511	69.2388	0.42	80.00-	120.00	100.00	
<hr/>									

Data File: WR705694.D

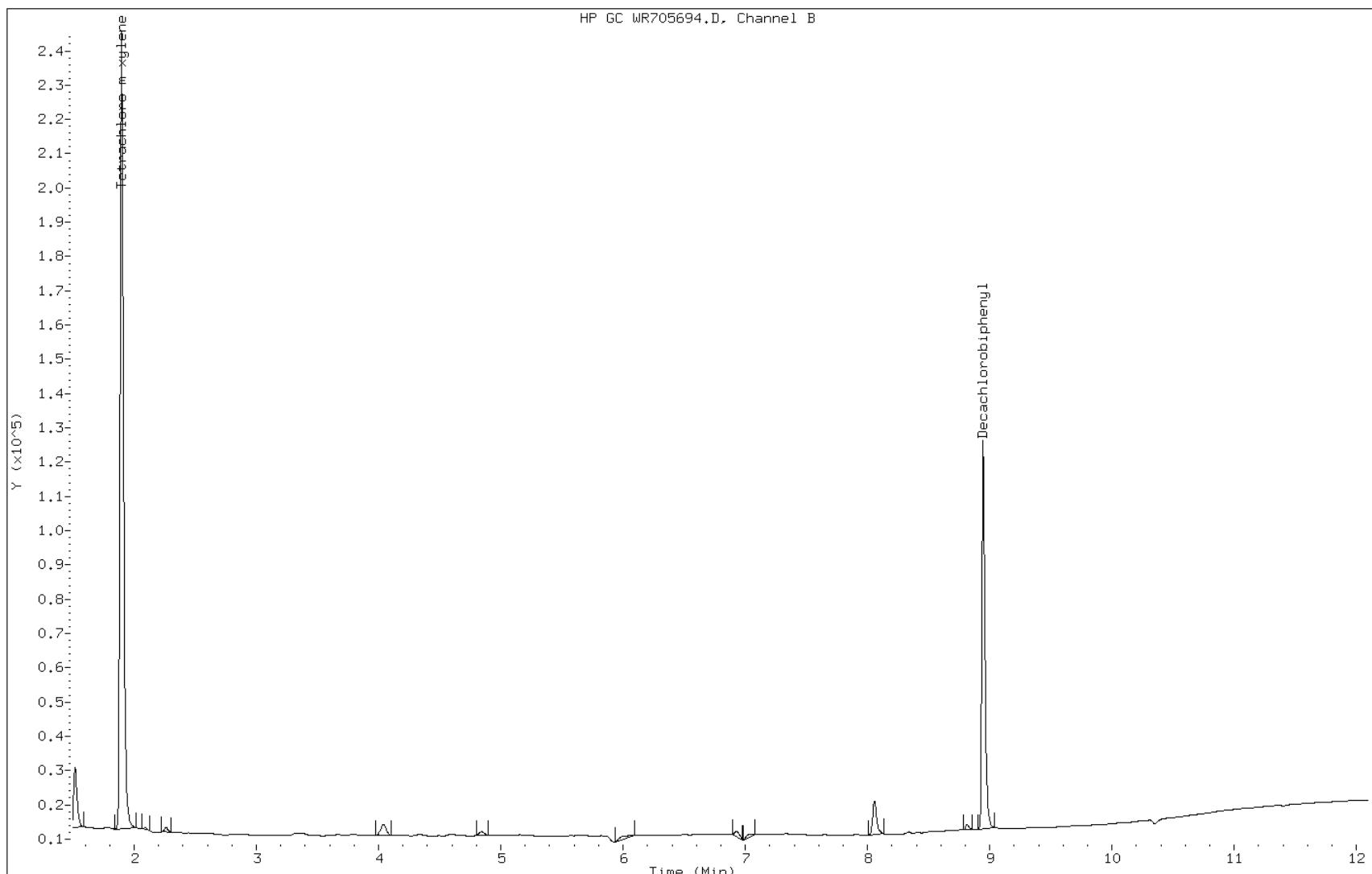
Date: 16-AUG-2012 15:05

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-43235-E-5-A

Operator:



FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/6	WF704895.D
Level 2	IC 460-122272/7	WF704896.D
Level 3	IC 460-122272/5	WF704894.D
Level 4	IC 460-122272/8	WF704897.D
Level 5	IC 460-122272/9	WF704898.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	3.480	3.477	3.477	3.480	3.477						3.427 - 3.527	3.478
gamma-BHC (Lindane)	4.197	4.193	4.190	4.193	4.190						4.140 - 4.240	4.193
beta-BHC	4.347	4.343	4.343	4.343	4.340						4.293 - 4.393	4.343
delta-BHC	4.933	4.930	4.930	4.933	4.930						4.880 - 4.980	4.931
Heptachlor	5.083	5.080	5.077	5.080	5.077						5.027 - 5.127	5.079
Aldrin	5.763	5.763	5.763	5.763	5.760						5.713 - 5.813	5.763
Heptachlor epoxide	6.630	6.630	6.627	6.627	6.627						6.557 - 6.697	6.628
gamma-Chlordane	6.827	6.827	6.827	6.823	6.823						6.757 - 6.897	6.825
alpha-Chlordane	6.980	6.983	6.980	6.980	6.980						6.910 - 7.050	6.981
Endosulfan I	7.053	7.053	7.053	7.050	7.050						6.983 - 7.123	7.052
4,4'-DDE	7.140	7.137	7.137	7.137	7.137						7.067 - 7.207	7.137
Dieldrin	7.350	7.350	7.350	7.350	7.350						7.280 - 7.420	7.350
Endrin	7.697	7.697	7.697	7.697	7.697						7.627 - 7.767	7.697
4,4'-DDD	7.783	7.783	7.783	7.783	7.783						7.713 - 7.853	7.783
Endosulfan II	7.937	7.937	7.937	7.933	7.933						7.867 - 8.007	7.935
4,4'-DDT	8.150	8.150	8.147	8.150	8.147						8.077 - 8.217	8.149
Endrin aldehyde	8.303	8.303	8.303	8.303	8.300						8.233 - 8.373	8.303
Endosulfan sulfate	8.540	8.540	8.540	8.540	8.540						8.470 - 8.610	8.540
Methoxychlor	8.727	8.727	8.727	8.727	8.727						8.657 - 8.797	8.727
Endrin ketone	8.940	8.940	8.937	8.937	8.937						8.867 - 9.007	8.938
Tetrachloro-m-xylene	2.383	2.383	2.383	2.383	2.380						2.333 - 2.433	2.383
DCB Decachlorobiphenyl	9.940	9.940	9.940	9.937	9.937						9.840 - 10.040	9.939

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/6	WF704895.D
Level 2	IC 460-122272/7	WF704896.D
Level 3	IC 460-122272/5	WF704894.D
Level 4	IC 460-122272/8	WF704897.D
Level 5	IC 460-122272/9	WF704898.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	5834.6 5281.1	6305.3	6016.8	5547.0	Ave		5796.95440				6.9		20.0			
gamma-BHC (Lindane)	5559.3 4809.2	5853.8	5517.8	5069.4	Ave		5361.87600				7.8		20.0			
beta-BHC	2845.6 2243.1	2830.4	2627.4	2381.0	Ave		2585.48320				10.4		20.0			
delta-BHC	5014.0 4655.9	5481.1	5239.7	4869.8	Ave		5052.08360				6.3		20.0			
Heptachlor	5411.1 4504.6	5584.2	5181.0	4794.1	Ave		5094.98720				8.7		20.0			
Aldrin	5091.6 4554.2	5535.3	5278.2	4829.2	Ave		5057.70600				7.6		20.0			
Heptachlor epoxide	4185.7 3281.0	4100.2	3824.6	3475.3	Ave		3773.35800				10.4		20.0			
gamma-Chlordane	4056.5 3382.5	4037.4	3812.7	3526.2	Ave		3763.07200				8.0		20.0			
alpha-Chlordane	3908.9 3140.0	3800.9	3602.0	3287.7	Ave		3547.90120				9.3		20.0			
Endosulfan I	3791.8 3115.2	3771.4	3549.7	3280.6	Ave		3501.73360				8.5		20.0			
4,4'-DDE	3892.3 3278.1	3910.9	3722.1	3412.3	Ave		3643.15080				7.8		20.0			
Dieldrin	3876.5 3363.5	3991.2	3828.6	3523.9	Ave		3716.72880				7.1		20.0			
Endrin	3415.7 2892.5	3461.7	3297.8	3044.2	Ave		3222.37480				7.6		20.0			
4,4'-DDD	2990.2 2683.9	3128.7	2993.1	2805.2	Ave		2920.21240				6.0		20.0			
Endosulfan II	3565.1 2843.5	3440.3	3253.1	2991.8	Ave		3218.76640				9.4		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16631

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4		B	M1	M2								
4,4'-DDT	3096.8 2793.6	3186.9	3028.9	2870.7	Ave		2995.38400				5.4		20.0			
Endrin aldehyde	2567.1 2072.9	2432.9	2372.7	2150.4	Ave		2319.21880				8.8		20.0			
Endosulfan sulfate	2730.2 2259.1	2647.4	2510.3	2329.3	Ave		2495.28000				8.1		20.0			
Methoxychlor	1386.9 1136.0	1321.1	1209.4	1156.4	Ave		1241.96200				8.7		20.0			
Endrin ketone	3532.0 2498.7	2836.5	2716.1	2532.2	Ave		2823.09680				14.9		20.0			
Tetrachloro-m-xylene	4531.2 3915.0	4403.6	4194.3	3957.8	Ave		4200.36900				6.4		20.0			
DCB Decachlorobiphenyl	3056.1 2598.0	2929.8	2800.0	2635.1	Ave		2803.79633				6.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16631

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/6	WF704895.D
Level 2	IC 460-122272/7	WF704896.D
Level 3	IC 460-122272/5	WF704894.D
Level 4	IC 460-122272/8	WF704897.D
Level 5	IC 460-122272/9	WF704898.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	58346	315267	601675	1386746	2640549	10.0	50.0	100	250	500
gamma-BHC (Lindane)	Ave	55593	292688	551776	1267347	2404586	10.0	50.0	100	250	500
beta-BHC	Ave	28456	141518	262735	595255	1121543	10.0	50.0	100	250	500
delta-BHC	Ave	50140	274053	523973	1217438	2327938	10.0	50.0	100	250	500
Heptachlor	Ave	54111	279212	518097	1198513	2252287	10.0	50.0	100	250	500
Aldrin	Ave	50916	276765	527819	1207305	2277110	10.0	50.0	100	250	500
Heptachlor epoxide	Ave	41857	205008	382464	868823	1640499	10.0	50.0	100	250	500
gamma-Chlordane	Ave	40565	201872	381274	881546	1691248	10.0	50.0	100	250	500
alpha-Chlordane	Ave	39089	190046	360198	821934	1569985	10.0	50.0	100	250	500
Endosulfan I	Ave	37918	188569	354965	820158	1557603	10.0	50.0	100	250	500
4,4'-DDE	Ave	38923	195544	372209	853084	1639074	10.0	50.0	100	250	500
Dieldrin	Ave	38765	199559	382861	880970	1681737	10.0	50.0	100	250	500
Endrin	Ave	34157	173084	329779	761049	1446254	10.0	50.0	100	250	500
4,4'-DDD	Ave	29902	156433	299312	701289	1341963	10.0	50.0	100	250	500
Endosulfan II	Ave	35651	172015	325314	747950	1421746	10.0	50.0	100	250	500
4,4'-DDT	Ave	30968	159346	302885	717682	1396811	10.0	50.0	100	250	500
Endrin aldehyde	Ave	25671	121647	237269	537605	1036472	10.0	50.0	100	250	500
Endosulfan sulfate	Ave	27302	132372	251034	582321	1129568	10.0	50.0	100	250	500
Methoxychlor	Ave	13869	66057	120938	289109	567977	10.0	50.0	100	250	500
Endrin ketone	Ave	35320	141824	271607	633052	1249363	10.0	50.0	100	250	500
Tetrachloro-m-xylene	Ave	113281	220180	419429	593664	782991	25.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	76403	146488	280000	395263	519603	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704894.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 02-AUG-2012 08:30  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.383	2.383	0.000	419429 100.000	100	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.477	3.477	0.000	601675 100.000	100	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.190	4.190	0.000	551776 100.000	100	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
4.343	4.343	0.000	262735 100.000	100	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
4.930	4.930	0.000	523973 100.000	100	80.00- 120.00	100.00			
-----									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO	
			CAL-AMT	ON-COL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor				CAS #: 76-44-8			
5.077	5.077	0.000	518097	100.000	100	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2			
5.763	5.763	0.000	527819	100.000	100	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3			
6.627	6.627	0.000	382464	100.000	100	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2			
6.827	6.827	0.000	381274	100.000	100	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9			
6.980	6.980	0.000	360198	100.000	100	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8			
7.053	7.053	0.000	354965	100.000	100	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9			
7.137	7.137	0.000	372209	100.000	100	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1			
7.350	7.350	0.000	382861	100.000	100	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8			
7.697	7.697	0.000	329779	100.000	100	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8			
7.783	7.783	0.000	299312	100.000	100	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9			
7.937	7.937	0.000	325314	100.000	100	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3			
8.147	8.147	0.000	302885	100.000	100	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4			
8.303	8.303	0.000	237269	100.000	100	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8			
8.540	8.540	0.000	251034	100.000	100	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5			
8.727	8.727	0.000	120938	100.000	97	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5			
8.937	8.937	0.000	271607	100.000	96	80.00- 120.00	100.00

Data File: WF704894.D  
Report Date: 02-Aug-2012 10:25

Page 3

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
9.940	9.940	0.000	280000	100.000	100	80.00- 120.00	100.00

-----

Data File: WF704894.D

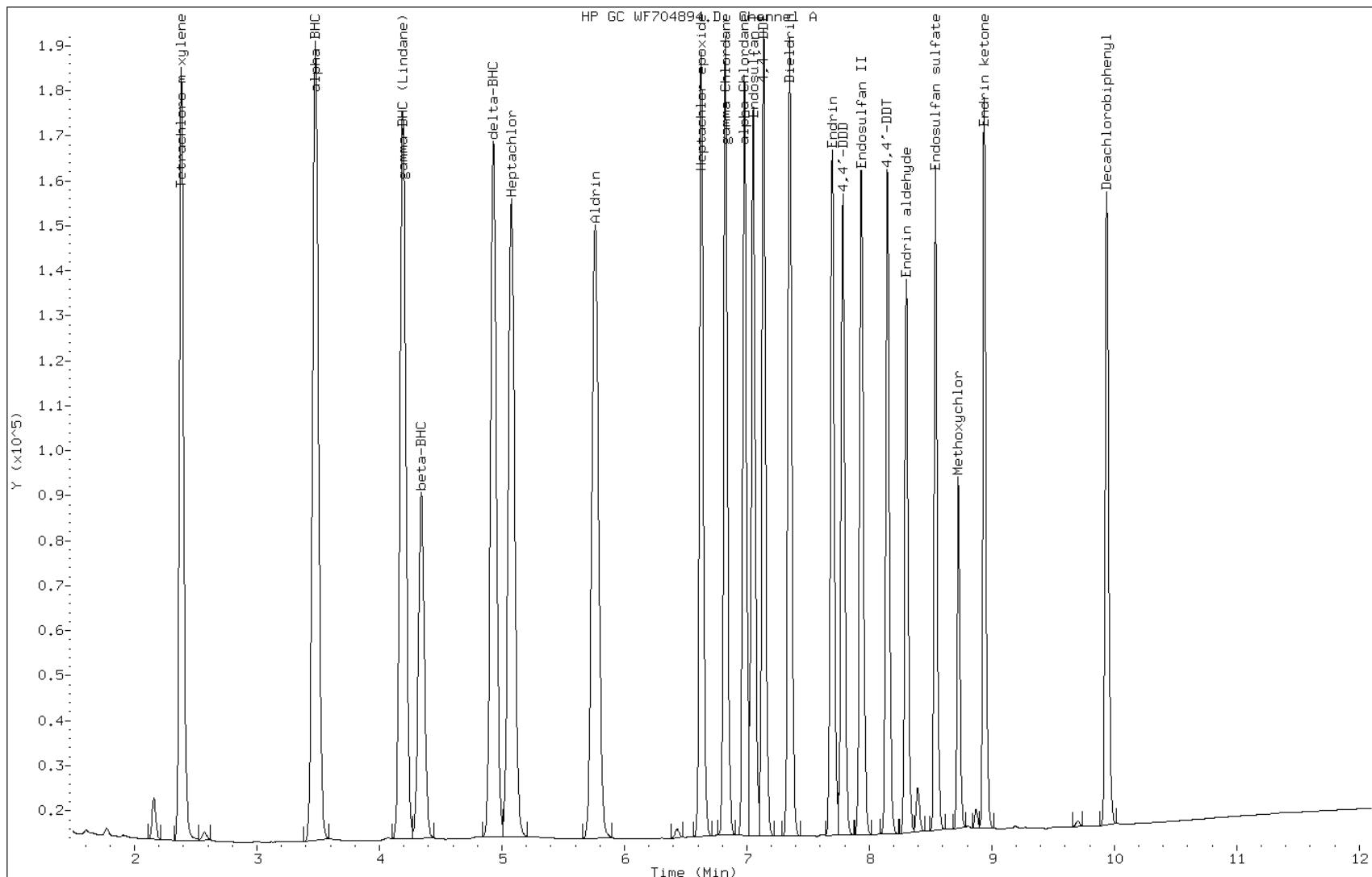
Date: 02-AUG-2012 08:30

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704895.D  
Lab Smp Id: SGPESTL1\_00015  
Inj Date : 02-AUG-2012 08:43  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL1\_00015  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.383	2.383	0.000	113281 25.0000	27	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.480	3.477	0.003	58346 10.0000	10	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.197	4.190	0.007	55593 10.0000	10	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
4.347	4.343	0.004	28456 10.0000	11	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
4.933	4.930	0.003	50140 10.0000	9.9	80.00- 120.00	100.00			
-----									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO
			CAL-AMT	ON-COL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor				CAS #: 76-44-8		
5.083	5.077	0.006	54111 10.0000	11	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2		
5.763	5.763	0.000	50916 10.0000	10	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3		
6.630	6.627	0.003	41857 10.0000	11	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2		
6.827	6.827	0.000	40565 10.0000	11	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9		
6.980	6.980	0.000	39089 10.0000	11	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8		
7.053	7.053	0.000	37918 10.0000	11	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9		
7.140	7.137	0.003	38923 10.0000	11	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1		
7.350	7.350	0.000	38765 10.0000	10	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8		
7.697	7.697	0.000	34157 10.0000	10	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8		
7.783	7.783	0.000	29902 10.0000	10	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9		
7.937	7.937	0.000	35651 10.0000	11	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3		
8.150	8.147	0.003	30968 10.0000	10	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4		
8.303	8.303	0.000	25671 10.0000	11	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8		
8.540	8.540	0.000	27302 10.0000	11	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5		
8.727	8.727	0.000	13869 10.0000	11	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5		
8.940	8.937	0.003	35320 10.0000	12	80.00- 120.00	100.00

Data File: WF704895.D  
Report Date: 02-Aug-2012 10:25

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RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
9.940	9.940	0.000	76403 25.0000	27	80.00- 120.00	100.00	

-----

Data File: WF704895.D

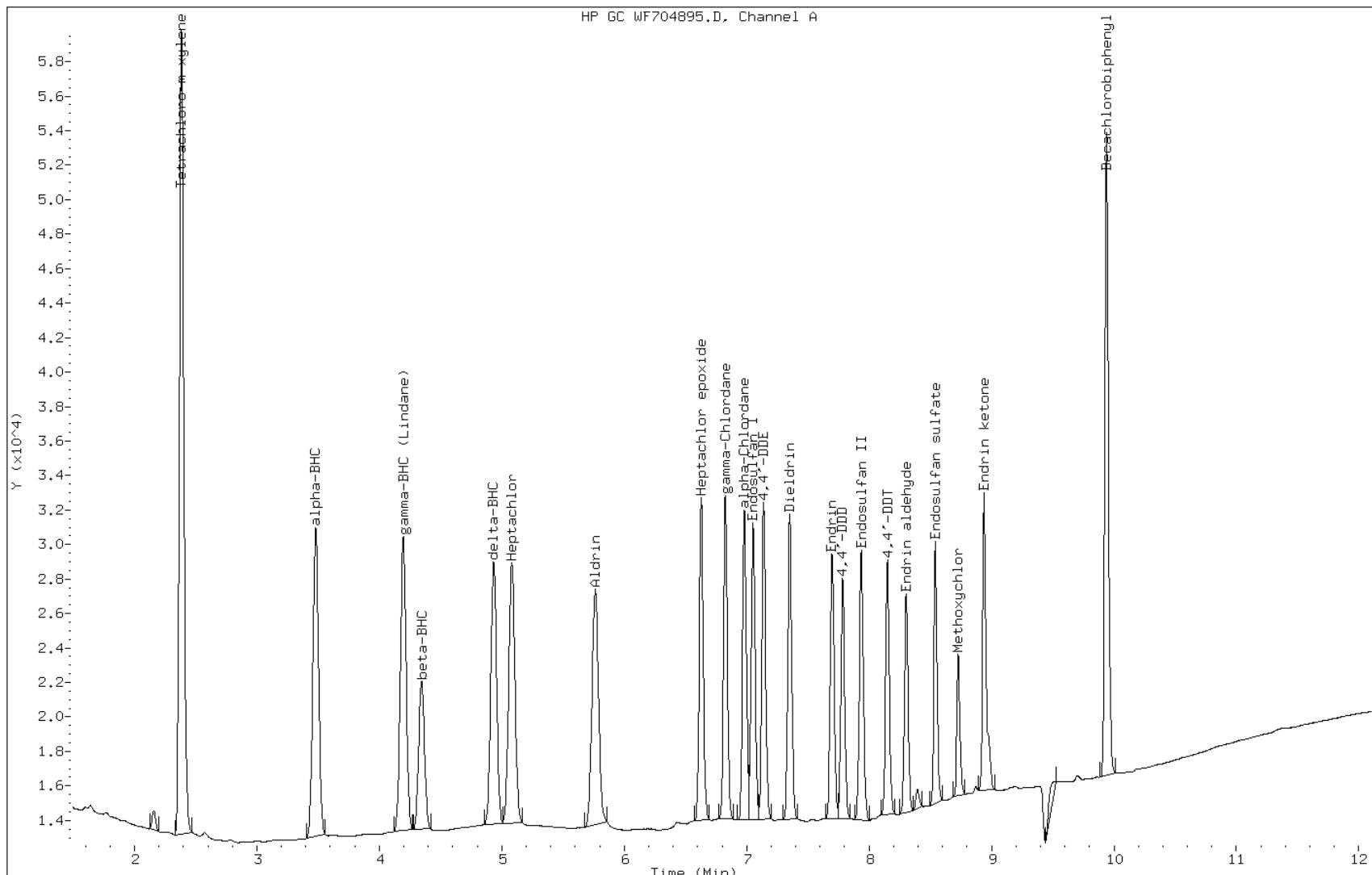
Date: 02-AUG-2012 08:43

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL1\_00015

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704896.D  
Lab Smp Id: SGPESTL2\_00012  
Inj Date : 02-AUG-2012 08:57  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL2\_00012  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.383	2.383	0.000	220180 50.0000	52	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.477	3.477	0.000	315267 50.0000	54	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.193	4.190	0.003	292688 50.0000	54	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
4.343	4.343	0.000	141518 50.0000	55	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
4.930	4.930	0.000	274053 50.0000	54	80.00- 120.00	100.00			
-----									

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
17 Heptachlor			CAS #: 76-44-8				
5.080	5.077	0.003	279212 50.0000	55	80.00- 120.00	100.00	
1 Aldrin			CAS #: 309-00-2				
5.763	5.763	0.000	276765 50.0000	55	80.00- 120.00	100.00	
18 Heptachlor epoxide			CAS #: 1024-57-3				
6.630	6.627	0.003	205008 50.0000	54	80.00- 120.00	100.00	
65 gamma-Chlordane			CAS #: 5103-74-2				
6.827	6.827	0.000	201872 50.0000	54	80.00- 120.00	100.00	
66 alpha-Chlordane			CAS #: 5103-71-9				
6.983	6.980	0.003	190046 50.0000	54	80.00- 120.00	100.00	
11 Endosulfan I			CAS #: 959-98-8				
7.053	7.053	0.000	188569 50.0000	54	80.00- 120.00	100.00	
8 4,4'-DDE			CAS #: 72-55-9				
7.137	7.137	0.000	195544 50.0000	54	80.00- 120.00	100.00	
10 Dieldrin			CAS #: 60-57-1				
7.350	7.350	0.000	199559 50.0000	54	80.00- 120.00	100.00	
14 Endrin			CAS #: 72-20-8				
7.697	7.697	0.000	173084 50.0000	54	80.00- 120.00	100.00	
7 4,4'-DDD			CAS #: 72-54-8				
7.783	7.783	0.000	156433 50.0000	54	80.00- 120.00	100.00	
12 Endosulfan II			CAS #: 33213-65-9				
7.937	7.937	0.000	172015 50.0000	53	80.00- 120.00	100.00	
9 4,4'-DDT			CAS #: 50-29-3				
8.150	8.147	0.003	159346 50.0000	53	80.00- 120.00	100.00	
15 Endrin aldehyde			CAS #: 7421-93-4				
8.303	8.303	0.000	121647 50.0000	52	80.00- 120.00	100.00	
13 Endosulfan sulfate			CAS #: 1031-07-8				
8.540	8.540	0.000	132372 50.0000	53	80.00- 120.00	100.00	
19 Methoxychlor			CAS #: 72-43-5				
8.727	8.727	0.000	66057 50.0000	53	80.00- 120.00	100.00	
16 Endrin ketone			CAS #: 53494-70-5				
8.940	8.937	0.003	141824 50.0000	50	80.00- 120.00	100.00	

Data File: WF704896.D  
Report Date: 02-Aug-2012 10:25

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RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
9.940	9.940	0.000	146488	50.0000	52	80.00- 120.00	100.00

-----

Data File: WF704896.D

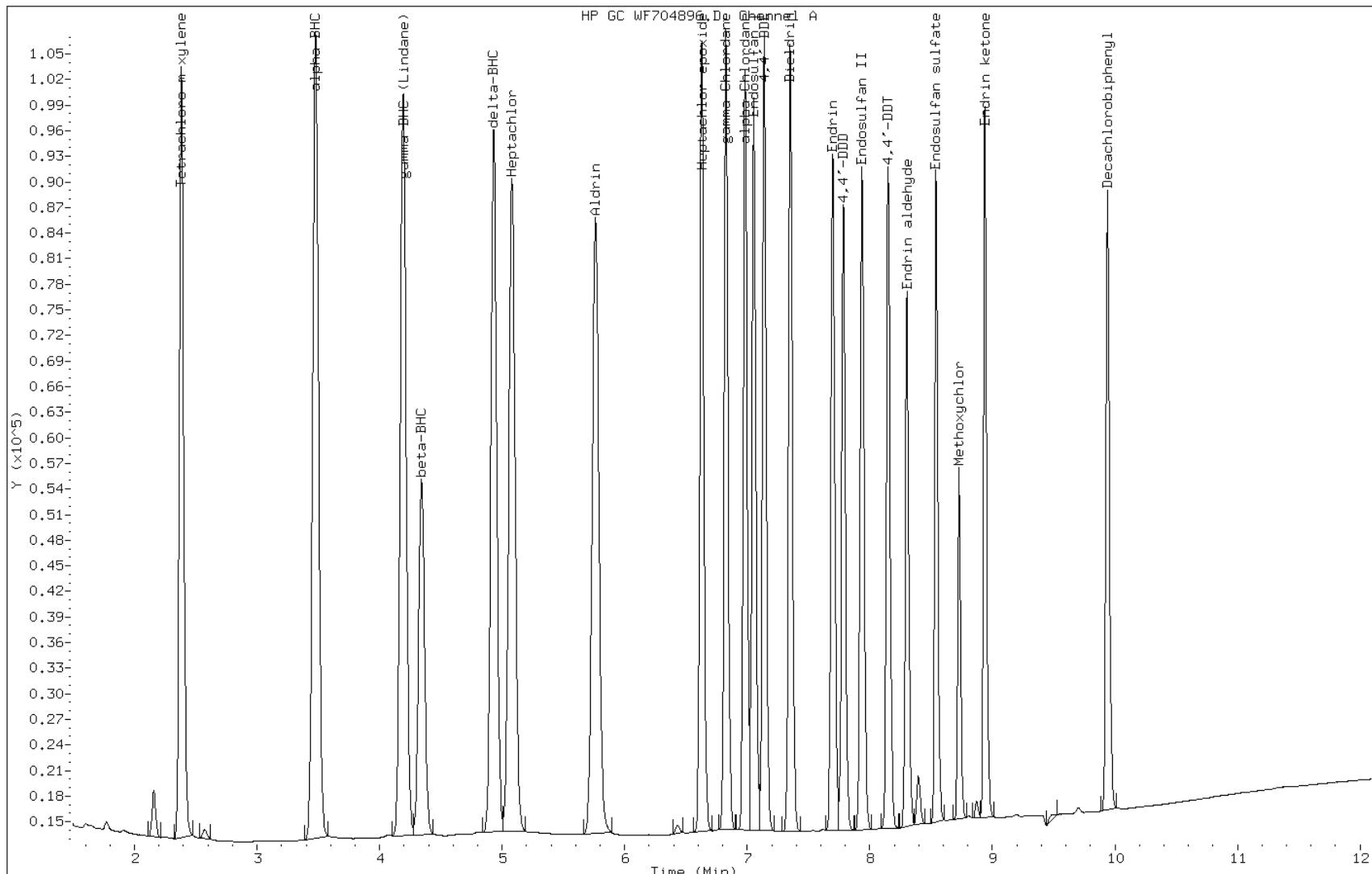
Date: 02-AUG-2012 08:57

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL2\_00012

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704897.D  
Lab Smp Id: SGPESTL4\_00012  
Inj Date : 02-AUG-2012 09:11  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL4\_00012  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 4  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	( ug/L)	( ug/L)	CAL-AMT		ON-COL	
						TARGET	RANGE	RATIO	=====
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)						CAS #:	877-09-8		
2.383	2.383	0.000	593664	150.000	140	80.00-	120.00	100.00	
<hr/>									
2 alpha-BHC									
3.480	3.477	0.003	1386746	250.000	240	80.00-	120.00	100.00	
<hr/>									
5 gamma-BHC (Lindane)									
4.193	4.190	0.003	1267347	250.000	240	80.00-	120.00	100.00	
<hr/>									
3 beta-BHC									
4.343	4.343	0.000	595255	250.000	230	80.00-	120.00	100.00	
<hr/>									
4 delta-BHC									
4.933	4.930	0.003	1217438	250.000	240	80.00-	120.00	100.00	
<hr/>									

RT	EXP RT	DLT RT	AMOUNTS				
			CAL-AMT		ON-COL		
			RESPONSE ( ug/L)	( ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
5.080	5.077	0.003	1198513	250.000	240	80.00- 120.00	100.00
-----							
1 Aldrin			CAS #:	309-00-2			
5.763	5.763	0.000	1207305	250.000	240	80.00- 120.00	100.00
-----							
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.627	6.627	0.000	868823	250.000	230	80.00- 120.00	100.00
-----							
65 gamma-Chlordane			CAS #:	5103-74-2			
6.823	6.827	-0.004	881546	250.000	230	80.00- 120.00	100.00
-----							
66 alpha-Chlordane			CAS #:	5103-71-9			
6.980	6.980	0.000	821934	250.000	230	80.00- 120.00	100.00
-----							
11 Endosulfan I			CAS #:	959-98-8			
7.050	7.053	-0.003	820158	250.000	230	80.00- 120.00	100.00
-----							
8 4,4'-DDE			CAS #:	72-55-9			
7.137	7.137	0.000	853084	250.000	230	80.00- 120.00	100.00
-----							
10 Dieldrin			CAS #:	60-57-1			
7.350	7.350	0.000	880970	250.000	240	80.00- 120.00	100.00
-----							
14 Endrin			CAS #:	72-20-8			
7.697	7.697	0.000	761049	250.000	240	80.00- 120.00	100.00
-----							
7 4,4'-DDD			CAS #:	72-54-8			
7.783	7.783	0.000	701289	250.000	240	80.00- 120.00	100.00
-----							
12 Endosulfan II			CAS #:	33213-65-9			
7.933	7.937	-0.004	747950	250.000	230	80.00- 120.00	100.00
-----							
9 4,4'-DDT			CAS #:	50-29-3			
8.150	8.147	0.003	717682	250.000	240	80.00- 120.00	100.00
-----							
15 Endrin aldehyde			CAS #:	7421-93-4			
8.303	8.303	0.000	537605	250.000	230	80.00- 120.00	100.00
-----							
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.540	8.540	0.000	582321	250.000	230	80.00- 120.00	100.00
-----							
19 Methoxychlor			CAS #:	72-43-5			
8.727	8.727	0.000	289109	250.000	230	80.00- 120.00	100.00
-----							
16 Endrin ketone			CAS #:	53494-70-5			
8.937	8.937	0.000	633052	250.000	220	80.00- 120.00	100.00
-----							

Data File: WF704897.D  
Report Date: 02-Aug-2012 10:25

Page 3

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
9.937	9.940	-0.003	395263	150.000	140	80.00- 120.00	100.00

-----

Data File: WF704897.D

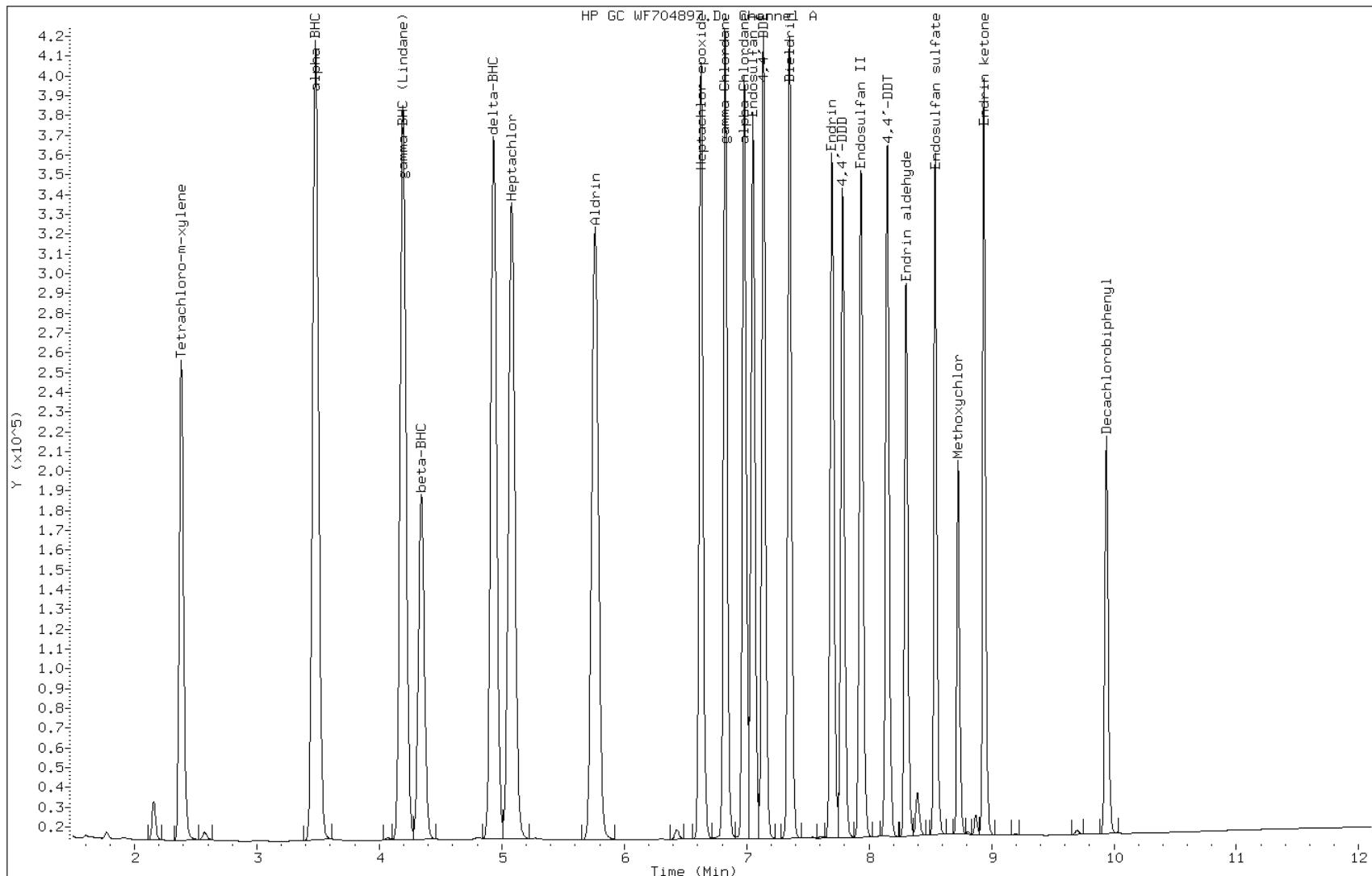
Date: 02-AUG-2012 09:11

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL4\_00012

Operator:



TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704898.D  
Lab Smp Id: SGPESTL5\_00012  
Inj Date : 02-AUG-2012 09:25  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL5\_00012  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 5  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.380	2.383	-0.003	782991 200.000	190	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.477	3.477	0.000	2640549 500.000	460	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.190	4.190	0.000	2404586 500.000	450	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
4.340	4.343	-0.003	1121543 500.000	430	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
4.930	4.930	0.000	2327938 500.000	460	80.00- 120.00	100.00			
-----									

RT	EXP RT	DLT RT	AMOUNTS				
			CAL-AMT		ON-COL		
			RESPONSE ( ug/L)	( ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
5.077	5.077	0.000	2252287	500.000	440	80.00- 120.00	100.00
-----							
1 Aldrin			CAS #:	309-00-2			
5.760	5.763	-0.003	2277110	500.000	450	80.00- 120.00	100.00
-----							
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.627	6.627	0.000	1640499	500.000	430	80.00- 120.00	100.00
-----							
65 gamma-Chlordane			CAS #:	5103-74-2			
6.823	6.827	-0.004	1691248	500.000	450	80.00- 120.00	100.00
-----							
66 alpha-Chlordane			CAS #:	5103-71-9			
6.980	6.980	0.000	1569985	500.000	440	80.00- 120.00	100.00
-----							
11 Endosulfan I			CAS #:	959-98-8			
7.050	7.053	-0.003	1557603	500.000	440	80.00- 120.00	100.00
-----							
8 4,4'-DDE			CAS #:	72-55-9			
7.137	7.137	0.000	1639074	500.000	450	80.00- 120.00	100.00
-----							
10 Dieldrin			CAS #:	60-57-1			
7.350	7.350	0.000	1681737	500.000	450	80.00- 120.00	100.00
-----							
14 Endrin			CAS #:	72-20-8			
7.697	7.697	0.000	1446254	500.000	450	80.00- 120.00	100.00
-----							
7 4,4'-DDD			CAS #:	72-54-8			
7.783	7.783	0.000	1341963	500.000	460	80.00- 120.00	100.00
-----							
12 Endosulfan II			CAS #:	33213-65-9			
7.933	7.937	-0.004	1421746	500.000	440	80.00- 120.00	100.00
-----							
9 4,4'-DDT			CAS #:	50-29-3			
8.147	8.147	0.000	1396811	500.000	470	80.00- 120.00	100.00
-----							
15 Endrin aldehyde			CAS #:	7421-93-4			
8.300	8.303	-0.003	1036472	500.000	450	80.00- 120.00	100.00
-----							
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.540	8.540	0.000	1129568	500.000	450	80.00- 120.00	100.00
-----							
19 Methoxychlor			CAS #:	72-43-5			
8.727	8.727	0.000	567977	500.000	460	80.00- 120.00	100.00
-----							
16 Endrin ketone			CAS #:	53494-70-5			
8.937	8.937	0.000	1249363	500.000	440	80.00- 120.00	100.00
-----							

Data File: WF704898.D  
Report Date: 02-Aug-2012 10:25

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RT	EXP RT	DLT RT	AMOUNTS				RATIO	
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE		
			=====	=====				=====
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3				
9.937	9.940	-0.003		519603	200.000	180	80.00- 120.00	100.00

-----

Data File: WF704898.D

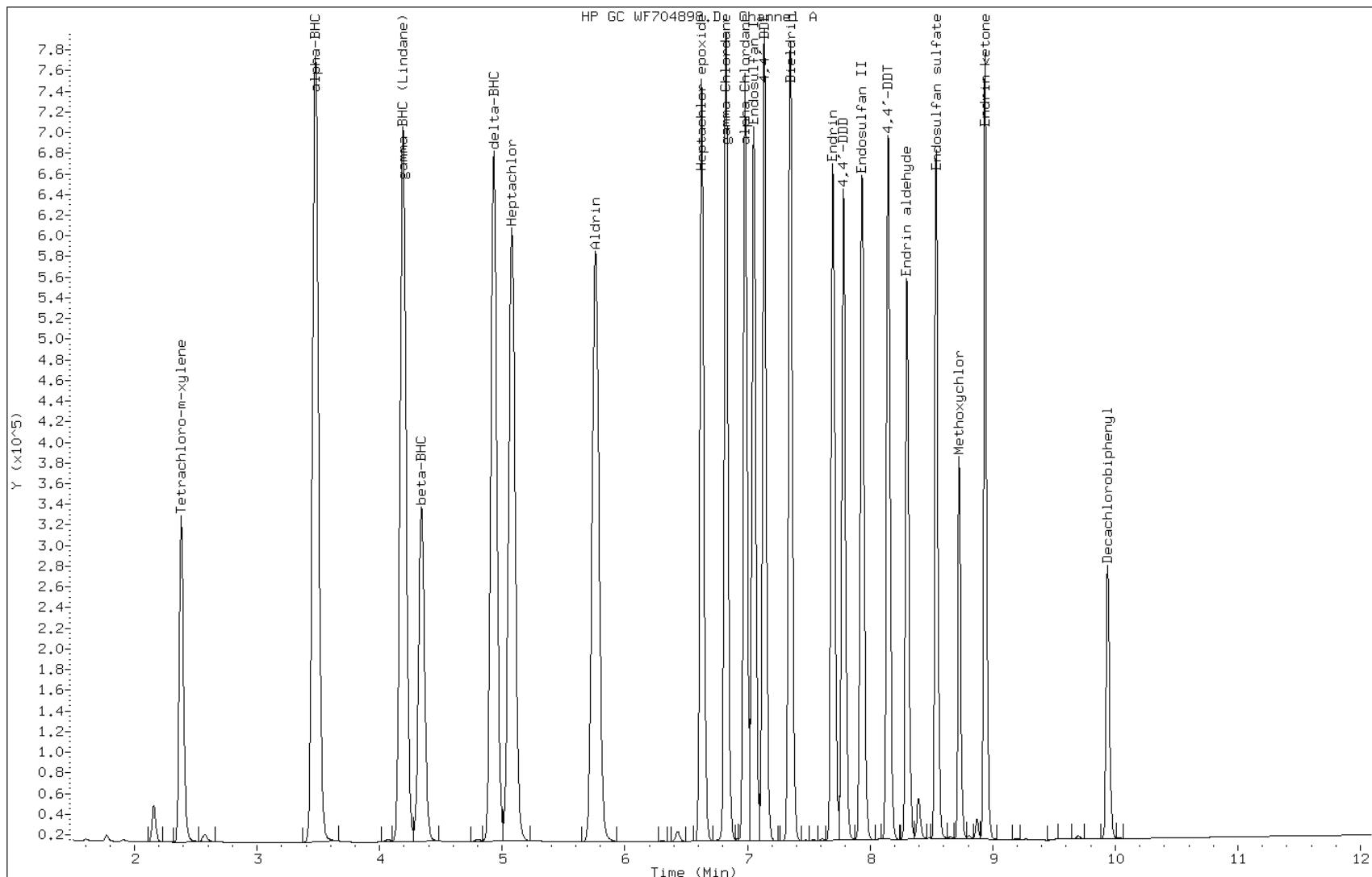
Date: 02-AUG-2012 09:25

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL5\_00012

Operator:



FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/6	WR704895.D
Level 2	IC 460-122272/7	WR704896.D
Level 3	IC 460-122272/5	WR704894.D
Level 4	IC 460-122272/8	WR704897.D
Level 5	IC 460-122272/9	WR704898.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5					RT WINDOW	AVG RT
alpha-BHC	2.453	2.450	2.450	2.450	2.450					2.400 - 2.500	2.451
gamma-BHC (Lindane)	2.930	2.927	2.927	2.927	2.923					2.877 - 2.977	2.927
beta-BHC	3.093	3.090	3.090	3.090	3.087					3.040 - 3.140	3.090
delta-BHC	3.403	3.400	3.400	3.403	3.397					3.350 - 3.450	3.401
Heptachlor	3.787	3.783	3.783	3.787	3.783					3.733 - 3.833	3.785
Aldrin	4.327	4.323	4.323	4.323	4.323					4.273 - 4.373	4.324
Heptachlor epoxide	5.437	5.433	5.437	5.433	5.433					5.367 - 5.507	5.435
gamma-Chlordane	5.680	5.680	5.680	5.677	5.680					5.610 - 5.750	5.679
alpha-Chlordane	5.943	5.943	5.940	5.940	5.940					5.870 - 6.010	5.941
4,4'-DDE	6.070	6.070	6.070	6.070	6.070					6.000 - 6.140	6.070
Endosulfan I	6.167	6.163	6.163	6.163	6.163					6.093 - 6.233	6.164
Dieldrin	6.470	6.467	6.467	6.467	6.467					6.397 - 6.537	6.467
Endrin	6.713	6.713	6.713	6.713	6.713					6.643 - 6.783	6.713
4,4'-DDD	6.777	6.777	6.777	6.777	6.777					6.707 - 6.847	6.777
Endosulfan II	6.940	6.940	6.940	6.937	6.940					6.870 - 7.010	6.939
4,4'-DDT	7.060	7.060	7.060	7.060	7.060					6.990 - 7.130	7.060
Endrin aldehyde	7.377	7.377	7.373	7.373	7.373					7.303 - 7.443	7.375
Methoxychlor	7.573	7.573	7.570	7.570	7.570					7.500 - 7.640	7.571
Endosulfan sulfate	7.850	7.847	7.847	7.847	7.847					7.777 - 7.917	7.847
Endrin ketone	8.160	8.160	8.157	8.157	8.157					8.087 - 8.227	8.158
Tetrachloro-m-xylene	1.900	1.900	1.900	1.900	1.897					1.850 - 1.950	1.899
DCB Decachlorobiphenyl	8.947	8.947	8.943	8.943	8.943					8.843 - 9.043	8.945

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/6	WR704895.D
Level 2	IC 460-122272/7	WR704896.D
Level 3	IC 460-122272/5	WR704894.D
Level 4	IC 460-122272/8	WR704897.D
Level 5	IC 460-122272/9	WR704898.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4		B	M1	M2								
alpha-BHC	5983.0 4852.5	5987.8	5616.0	5076.9	Ave		5503.24000				9.5		20.0			
gamma-BHC (Lindane)	5624.0 4577.2	5678.0	5350.5	4881.1	Ave		5222.16200				9.2		20.0			
beta-BHC	2950.9 2183.5	2750.1	2534.3	2319.9	Ave		2547.74880				12.2		20.0			
delta-BHC	5060.5 4419.4	5282.0	5034.3	4606.5	Ave		4880.54200				7.3		20.0			
Heptachlor	5005.2 3824.8	4937.6	4640.1	4129.3	Ave		4507.40000				11.4		20.0			
Aldrin	4795.3 4054.4	5025.7	4801.4	4330.7	Ave		4601.50920				8.6		20.0			
Heptachlor epoxide	4758.9 3657.7	4736.8	4462.2	3963.2	Ave		4315.76960				11.3		20.0			
gamma-Chlordane	4899.0 3950.9	4887.6	4637.6	4196.6	Ave		4514.34640				9.4		20.0			
alpha-Chlordane	4751.7 3684.9	4674.1	4387.3	3942.6	Ave		4288.12120				10.8		20.0			
4,4'-DDE	4181.0 3530.1	4401.3	4206.4	3779.4	Ave		4019.62600				8.8		20.0			
Endosulfan I	4226.0 3270.6	4229.6	3962.3	3506.4	Ave		3839.00080				11.3		20.0			
Dieldrin	4293.0 3385.4	4322.0	4063.1	3620.8	Ave		3936.85720				10.6		20.0			
Endrin	3729.3 2714.4	3563.3	3270.5	2919.2	Ave		3239.32960				13.1		20.0			
4,4'-DDD	3465.3 2852.5	3475.9	3332.2	3023.7	Ave		3229.91040				8.6		20.0			
Endosulfan II	3875.3 2851.7	3705.5	3441.1	3068.0	Ave		3388.30600				12.6		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16632

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD	
	LVL 1	LVL 2	LVL 3	LVL 4		B	M1	M2									
4,4'-DDT	3488.9	3482.1	3294.5	3030.3	Ave		3237.36560				8.3		20.0				
	2891.1																
Endrin aldehyde	2961.8	2924.7	2793.8	2462.2	Ave		2689.45480				10.8		20.0				
	2304.8																
Methoxychlor	1723.1	1651.8	1523.3	1375.6	Ave		1512.71000				12.0		20.0				
	1289.7																
Endosulfan sulfate	3402.2	3287.8	3066.5	2739.8	Ave		3012.19160				11.8		20.0				
	2564.6																
Endrin ketone	3684.4	3456.0	3237.3	2903.6	Ave		3203.47040				12.1		20.0				
	2736.1																
Tetrachloro-m-xylene	4524.6	4350.6	4155.6	3942.1	Ave		4171.99100				6.5		20.0				
	3887.1																
DCB Decachlorobiphenyl	3056.0	3002.3	2896.8	2705.3	Ave		2852.61433				6.8		20.0				
	2602.6																

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 08:30 Calibration End Date: 08/02/2012 09:25 Calibration ID: 16632

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/6	WR704895.D
Level 2	IC 460-122272/7	WR704896.D
Level 3	IC 460-122272/5	WR704894.D
Level 4	IC 460-122272/8	WR704897.D
Level 5	IC 460-122272/9	WR704898.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Ave	59830	299392	561596	1269225	2426250	10.0	50.0	100	250	500
gamma-BHC (Lindane)	Ave	56240	283902	535048	1220264	2288617	10.0	50.0	100	250	500
beta-BHC	Ave	29509	137504	253430	579979	1091774	10.0	50.0	100	250	500
delta-BHC	Ave	50605	264099	503430	1151626	2209713	10.0	50.0	100	250	500
Heptachlor	Ave	50052	246879	464010	1032329	1912402	10.0	50.0	100	250	500
Aldrin	Ave	47953	251284	480142	1082676	2027221	10.0	50.0	100	250	500
Heptachlor epoxide	Ave	47589	236840	446223	990800	1828859	10.0	50.0	100	250	500
gamma-Chlordane	Ave	48990	244380	463757	1049160	1975461	10.0	50.0	100	250	500
alpha-Chlordane	Ave	47517	233707	438727	985660	1842428	10.0	50.0	100	250	500
4,4'-DDE	Ave	41810	220065	420638	944849	1765027	10.0	50.0	100	250	500
Endosulfan I	Ave	42260	211481	396233	876610	1635307	10.0	50.0	100	250	500
Dieldrin	Ave	42930	216099	406310	905209	1692685	10.0	50.0	100	250	500
Endrin	Ave	37293	178166	327047	729794	1357191	10.0	50.0	100	250	500
4,4'-DDD	Ave	34653	173793	333224	755921	1426234	10.0	50.0	100	250	500
Endosulfan II	Ave	38753	185274	344105	766990	1425870	10.0	50.0	100	250	500
4,4'-DDT	Ave	34889	174103	329451	757574	1445531	10.0	50.0	100	250	500
Endrin aldehyde	Ave	29618	146235	279384	615541	1152385	10.0	50.0	100	250	500
Methoxychlor	Ave	17231	82589	152332	343908	644859	10.0	50.0	100	250	500
Endosulfan sulfate	Ave	34022	164392	306653	684938	1282318	10.0	50.0	100	250	500
Endrin ketone	Ave	36844	172799	323733	725898	1368025	10.0	50.0	100	250	500
Tetrachloro-m-xylene	Ave	113115	217528	415559	591309	777429	25.0	50.0	100	150	200
DCB Decachlorobiphenyl	Ave	76401	150116	289679	405802	520515	25.0	50.0	100	150	200

Curve Type Legend:

Ave = Average

Data File: WR704894.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704894.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 02-AUG-2012 08:30  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/L)	CAL-AMT		ON-COL		RATIO
					=====	=====	=====	=====	
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
1.900	1.900	0.000	415559	100.000	100	80.00-	120.00	100.00	
<hr/>									
2 alpha-BHC									
2.450	2.450	0.000	561596	100.000	100	80.00-	120.00	100.00	
<hr/>									
5 gamma-BHC (Lindane)									
2.927	2.927	0.000	535048	100.000	100	80.00-	120.00	100.00	
<hr/>									
3 beta-BHC									
3.090	3.090	0.000	253430	100.000	100	80.00-	120.00	100.00	
<hr/>									
4 delta-BHC									
3.400	3.400	0.000	503430	100.000	100	80.00-	120.00	100.00	
<hr/>									

Data File: WR704894.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS					
			CAL-AMT		ON-COL		TARGET RANGE	RATIO
			RESPONSE	( ug/L)	( ug/L)	=====		
17 Heptachlor			CAS #:	76-44-8				
3.783	3.783	0.000	464010	100.000	100	80.00- 120.00	100.00	
1 Aldrin			CAS #:	309-00-2				
4.323	4.323	0.000	480142	100.000	100	80.00- 120.00	100.00	
18 Heptachlor epoxide			CAS #:	1024-57-3				
5.437	5.437	0.000	446223	100.000	100	80.00- 120.00	100.00	
65 gamma-Chlordane			CAS #:	5103-74-2				
5.680	5.680	0.000	463757	100.000	100	80.00- 120.00	100.00	
66 alpha-Chlordane			CAS #:	5103-71-9				
5.940	5.940	0.000	438727	100.000	100	80.00- 120.00	100.00	
8 4,4'-DDE			CAS #:	72-55-9				
6.070	6.070	0.000	420638	100.000	100	80.00- 120.00	100.00	
11 Endosulfan I			CAS #:	959-98-8				
6.163	6.163	0.000	396233	100.000	100	80.00- 120.00	100.00	
10 Dieldrin			CAS #:	60-57-1				
6.467	6.467	0.000	406310	100.000	100	80.00- 120.00	100.00	
14 Endrin			CAS #:	72-20-8				
6.713	6.713	0.000	327047	100.000	100	80.00- 120.00	100.00	
7 4,4'-DDD			CAS #:	72-54-8				
6.777	6.777	0.000	333224	100.000	100	80.00- 120.00	100.00	
12 Endosulfan II			CAS #:	33213-65-9				
6.940	6.940	0.000	344105	100.000	100	80.00- 120.00	100.00	
9 4,4'-DDT			CAS #:	50-29-3				
7.060	7.060	0.000	329451	100.000	100	80.00- 120.00	100.00	
15 Endrin aldehyde			CAS #:	7421-93-4				
7.373	7.373	0.000	279384	100.000	100	80.00- 120.00	100.00	
19 Methoxychlor			CAS #:	72-43-5				
7.570	7.570	0.000	152332	100.000	100	80.00- 120.00	100.00	
13 Endosulfan sulfate			CAS #:	1031-07-8				
7.847	7.847	0.000	306653	100.000	100	80.00- 120.00	100.00	
16 Endrin ketone			CAS #:	53494-70-5				
8.157	8.157	0.000	323733	100.000	100	80.00- 120.00	100.00	

Data File: WR704894.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
8.943	8.943	0.000	289679	100.000	100	80.00- 120.00	100.00

Data File: WR704894.D

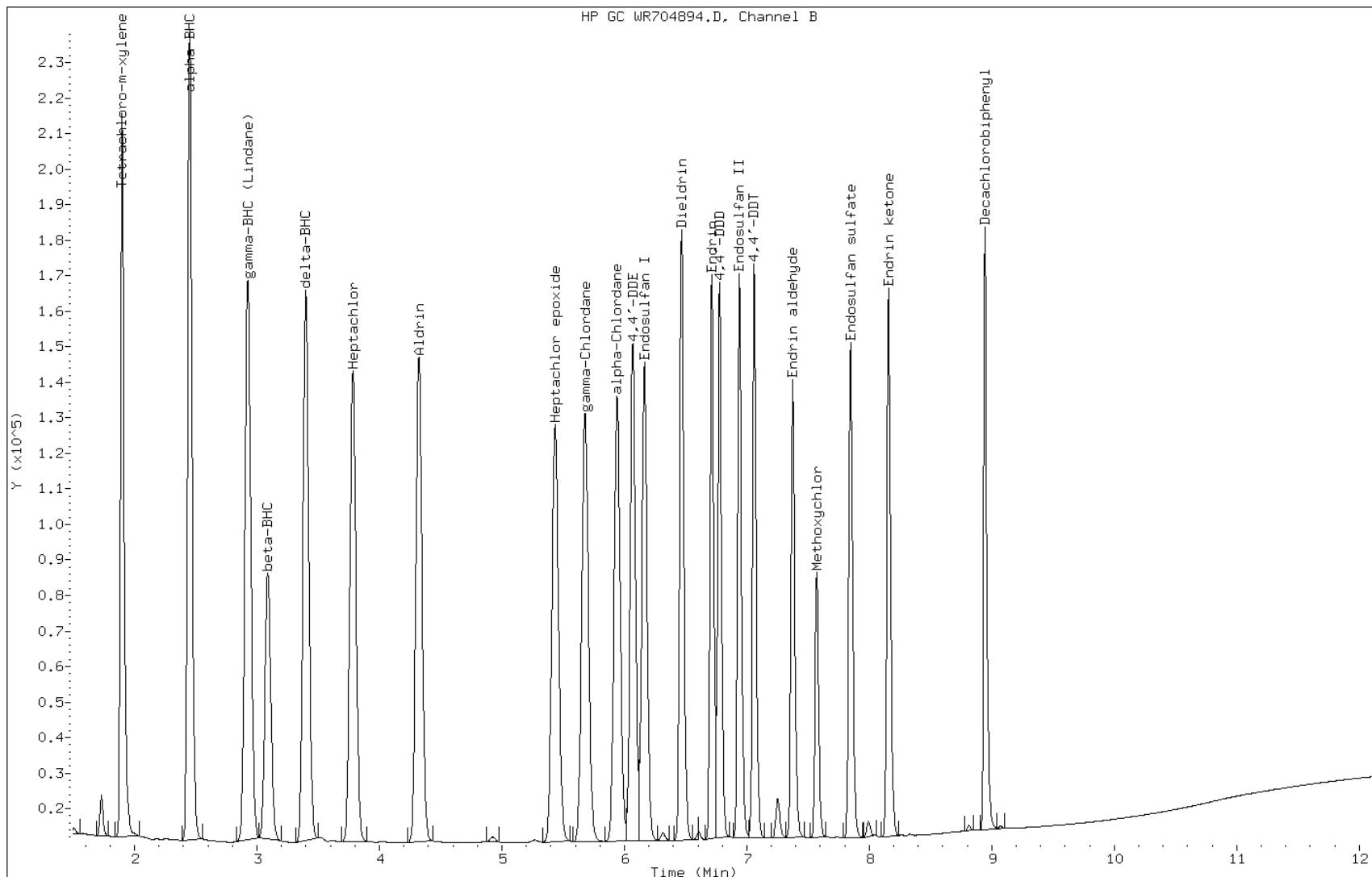
Date: 02-AUG-2012 08:30

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



Data File: WR704895.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704895.D  
Lab Smp Id: SGPESTL1\_00015  
Inj Date : 02-AUG-2012 08:43  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL1\_00015  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 08:43 Cal File: WR704895.D  
Als bottle: 1 Calibration Sample, Level: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	( ug/L )	CAL-AMT	ON-COL	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
1.900	1.900	0.000	113115	25.0000	27	80.00-	120.00	100.00	
-----									
2 alpha-BHC				CAS #: 319-84-6					
2.453	2.450	0.003	59830	10.0000	11	80.00-	120.00	100.00	
-----									
5 gamma-BHC (Lindane)				CAS #: 58-89-9					
2.930	2.927	0.003	56240	10.0000	11	80.00-	120.00	100.00	
-----									
3 beta-BHC				CAS #: 319-85-7					
3.093	3.090	0.003	29509	10.0000	12	80.00-	120.00	100.00	
-----									
4 delta-BHC				CAS #: 319-86-8					
3.403	3.400	0.003	50605	10.0000	10	80.00-	120.00	100.00	
-----									

Data File: WR704895.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #:	
			=====	=====			
17 Heptachlor			50052 10.0000	11	80.00- 120.00	100.00	
3.787	3.783	0.004					
1 Aldrin			47953 10.0000	10	80.00- 120.00	100.00	
4.327	4.323	0.004					
18 Heptachlor epoxide			47589 10.0000	11	80.00- 120.00	100.00	
5.437	5.437	0.000					
65 gamma-Chlordane			48990 10.0000	11	80.00- 120.00	100.00	
5.680	5.680	0.000					
66 alpha-Chlordane			47517 10.0000	11	80.00- 120.00	100.00	
5.943	5.940	0.003					
8 4,4'-DDE			41810 10.0000	10	80.00- 120.00	100.00	
6.070	6.070	0.000					
11 Endosulfan I			42260 10.0000	11	80.00- 120.00	100.00	
6.167	6.163	0.004					
10 Dieldrin			42930 10.0000	11	80.00- 120.00	100.00	
6.470	6.467	0.003					
14 Endrin			37293 10.0000	12	80.00- 120.00	100.00	
6.713	6.713	0.000					
7 4,4'-DDD			34653 10.0000	11	80.00- 120.00	100.00	
6.777	6.777	0.000					
12 Endosulfan II			38753 10.0000	11	80.00- 120.00	100.00	
6.940	6.940	0.000					
9 4,4'-DDT			34889 10.0000	11	80.00- 120.00	100.00	
7.060	7.060	0.000					
15 Endrin aldehyde			29618 10.0000	11	80.00- 120.00	100.00	
7.377	7.373	0.004					
19 Methoxychlor			17231 10.0000	11	80.00- 120.00	100.00	
7.573	7.570	0.003					
13 Endosulfan sulfate			34022 10.0000	11	80.00- 120.00	100.00	
7.850	7.847	0.003					
16 Endrin ketone			36844 10.0000	12	80.00- 120.00	100.00	
8.160	8.157	0.003					

Data File: WR704895.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
8.947	8.943	0.004	76401 25.0000	27	80.00- 120.00	100.00	

Data File: WR704895.D

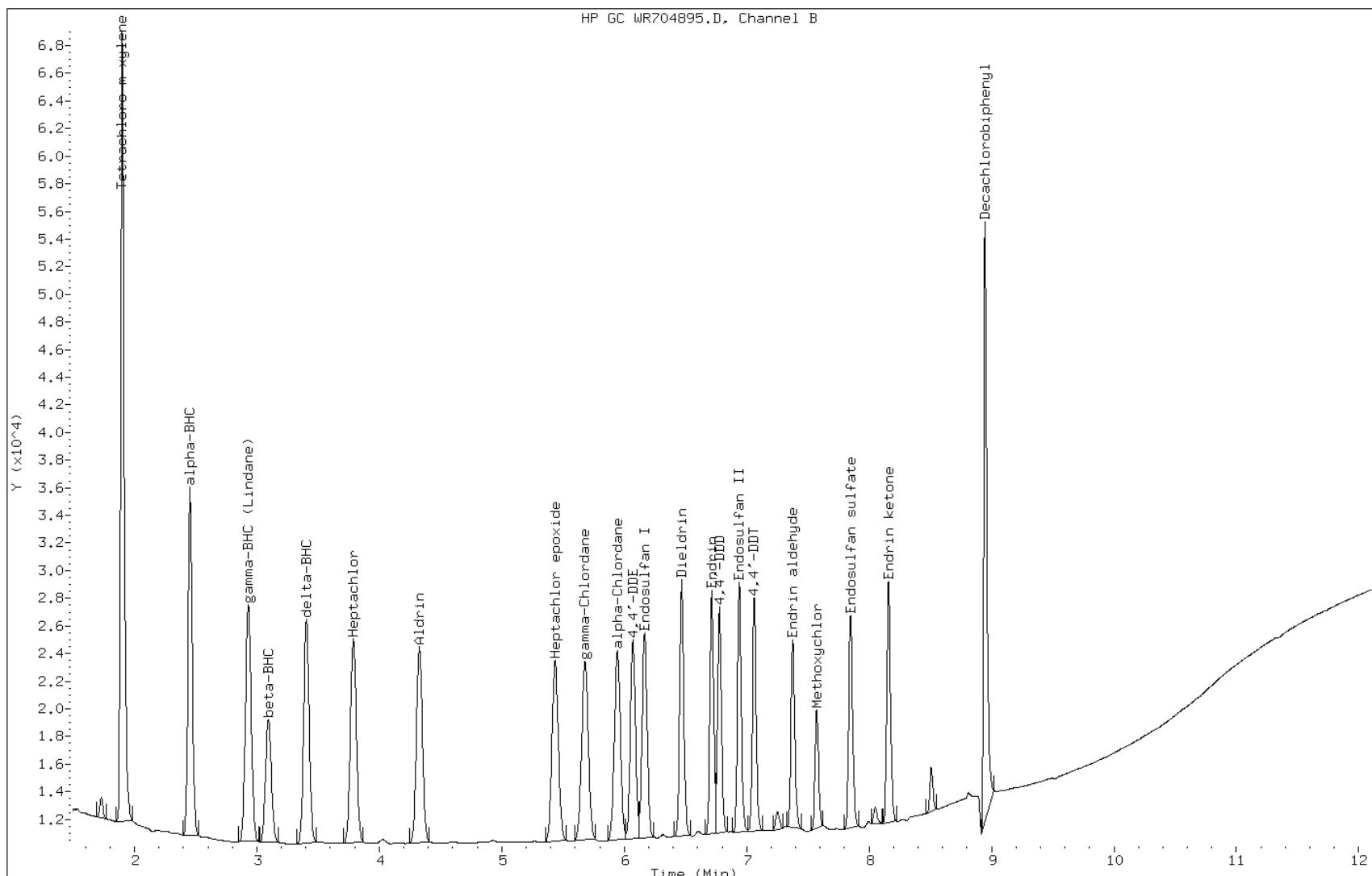
Date: 02-AUG-2012 08:43

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL1\_00015

Operator:



Data File: WR704896.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704896.D  
Lab Smp Id: SGPESTL2\_00012  
Inj Date : 02-AUG-2012 08:57  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL2\_00012  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 08:57 Cal File: WR704896.D  
Als bottle: 1 Calibration Sample, Level: 2  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	( ug/L)	( ug/L)	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
1.900	1.900	0.000	217528 50.0000	52	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
2.450	2.450	0.000	299392 50.0000	54	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.927	2.927	0.000	283902 50.0000	54	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
3.090	3.090	0.000	137504 50.0000	54	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
3.400	3.400	0.000	264099 50.0000	54	80.00- 120.00	100.00			
-----									

Data File: WR704896.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #:	
			=====	=====			
17 Heptachlor			246879	50.0000	55	80.00- 120.00	100.00
3.783	3.783	0.000					
1 Aldrin			251284	50.0000	55	80.00- 120.00	100.00
4.323	4.323	0.000					
18 Heptachlor epoxide			236840	50.0000	55	80.00- 120.00	100.00
5.433	5.437	-0.004					
65 gamma-Chlordane			244380	50.0000	54	80.00- 120.00	100.00
5.680	5.680	0.000					
66 alpha-Chlordane			233707	50.0000	54	80.00- 120.00	100.00
5.943	5.940	0.003					
8 4,4'-DDE			220065	50.0000	55	80.00- 120.00	100.00
6.070	6.070	0.000					
11 Endosulfan I			211481	50.0000	55	80.00- 120.00	100.00
6.163	6.163	0.000					
10 Dieldrin			216099	50.0000	55	80.00- 120.00	100.00
6.467	6.467	0.000					
14 Endrin			178166	50.0000	55	80.00- 120.00	100.00
6.713	6.713	0.000					
7 4,4'-DDD			173793	50.0000	54	80.00- 120.00	100.00
6.777	6.777	0.000					
12 Endosulfan II			185274	50.0000	55	80.00- 120.00	100.00
6.940	6.940	0.000					
9 4,4'-DDT			174103	50.0000	54	80.00- 120.00	100.00
7.060	7.060	0.000					
15 Endrin aldehyde			146235	50.0000	54	80.00- 120.00	100.00
7.377	7.373	0.004					
19 Methoxychlor			82589	50.0000	55	80.00- 120.00	100.00
7.573	7.570	0.003					
13 Endosulfan sulfate			164392	50.0000	54	80.00- 120.00	100.00
7.847	7.847	0.000					
16 Endrin ketone			172799	50.0000	54	80.00- 120.00	100.00
8.160	8.157	0.003					

Data File: WR704896.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
8.947	8.943	0.004	150116	50.0000	53	80.00- 120.00	100.00

Data File: WR704896.D

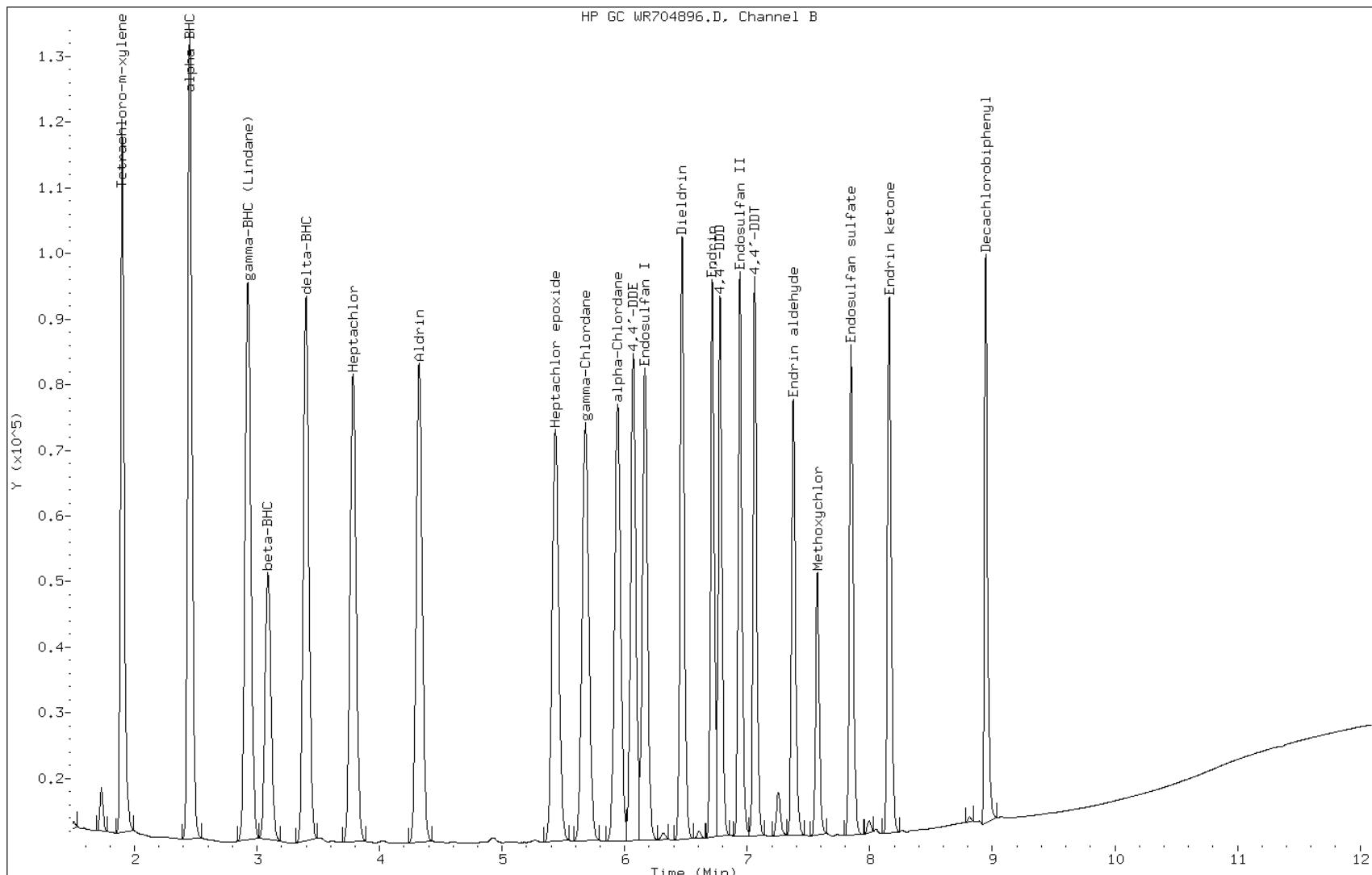
Date: 02-AUG-2012 08:57

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL2\_00012

Operator:



Data File: WR704897.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704897.D  
Lab Smp Id: SGPESTL4\_00012  
Inj Date : 02-AUG-2012 09:11  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL4\_00012  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:11 Cal File: WR704897.D  
Als bottle: 1 Calibration Sample, Level: 4  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/L)	CAL-AMT		ON-COL		RATIO
					=====	=====	=====	=====	
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
1.900	1.900	0.000	591309	150.000	140	80.00-	120.00	100.00	
<hr/>									
2 alpha-BHC									
2.450	2.450	0.000	1269225	250.000	230	80.00-	120.00	100.00	
<hr/>									
5 gamma-BHC (Lindane)									
2.927	2.927	0.000	1220264	250.000	230	80.00-	120.00	100.00	
<hr/>									
3 beta-BHC									
3.090	3.090	0.000	579979	250.000	230	80.00-	120.00	100.00	
<hr/>									
4 delta-BHC									
3.403	3.400	0.003	1151626	250.000	240	80.00-	120.00	100.00	
<hr/>									

Data File: WR704897.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS					
			CAL-AMT		ON-COL		TARGET RANGE	RATIO
			RESPONSE	( ug/L)	( ug/L)	=====		
17 Heptachlor			CAS #:	76-44-8				
3.787	3.783	0.004	1032329	250.000	230	80.00- 120.00	100.00	
1 Aldrin			CAS #:	309-00-2				
4.323	4.323	0.000	1082676	250.000	240	80.00- 120.00	100.00	
18 Heptachlor epoxide			CAS #:	1024-57-3				
5.433	5.437	-0.004	990800	250.000	230	80.00- 120.00	100.00	
65 gamma-Chlordane			CAS #:	5103-74-2				
5.677	5.680	-0.003	1049160	250.000	230	80.00- 120.00	100.00	
66 alpha-Chlordane			CAS #:	5103-71-9				
5.940	5.940	0.000	985660	250.000	230	80.00- 120.00	100.00	
8 4,4'-DDE			CAS #:	72-55-9				
6.070	6.070	0.000	944849	250.000	240	80.00- 120.00	100.00	
11 Endosulfan I			CAS #:	959-98-8				
6.163	6.163	0.000	876610	250.000	230	80.00- 120.00	100.00	
10 Dieldrin			CAS #:	60-57-1				
6.467	6.467	0.000	905209	250.000	230	80.00- 120.00	100.00	
14 Endrin			CAS #:	72-20-8				
6.713	6.713	0.000	729794	250.000	220	80.00- 120.00	100.00	
7 4,4'-DDD			CAS #:	72-54-8				
6.777	6.777	0.000	755921	250.000	230	80.00- 120.00	100.00	
12 Endosulfan II			CAS #:	33213-65-9				
6.937	6.940	-0.003	766990	250.000	230	80.00- 120.00	100.00	
9 4,4'-DDT			CAS #:	50-29-3				
7.060	7.060	0.000	757574	250.000	230	80.00- 120.00	100.00	
15 Endrin aldehyde			CAS #:	7421-93-4				
7.373	7.373	0.000	615541	250.000	230	80.00- 120.00	100.00	
19 Methoxychlor			CAS #:	72-43-5				
7.570	7.570	0.000	343908	250.000	230	80.00- 120.00	100.00	
13 Endosulfan sulfate			CAS #:	1031-07-8				
7.847	7.847	0.000	684938	250.000	230	80.00- 120.00	100.00	
16 Endrin ketone			CAS #:	53494-70-5				
8.157	8.157	0.000	725898	250.000	230	80.00- 120.00	100.00	

Data File: WR704897.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
8.943	8.943	0.000	405802	150.000	140	80.00- 120.00	100.00

Data File: WR704897.D

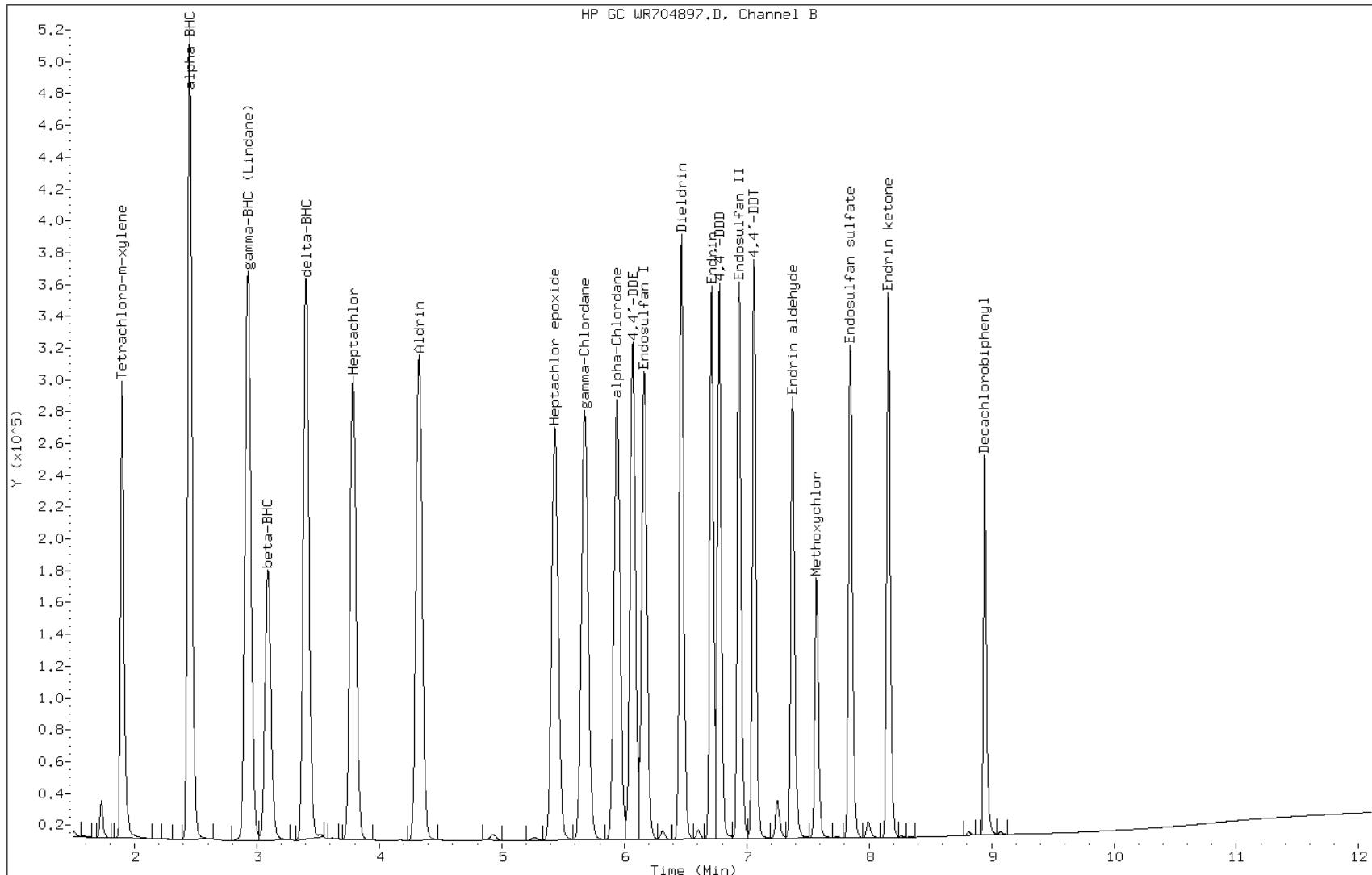
Date: 02-AUG-2012 09:11

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL4\_00012

### Operator:



Data File: WR704898.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704898.D  
Lab Smp Id: SGPESTL5\_00012  
Inj Date : 02-AUG-2012 09:25  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL5\_00012  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:25 Cal File: WR704898.D  
Als bottle: 1 Calibration Sample, Level: 5  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	( ug/L )	CAL-AMT	ON-COL	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
1.897	1.900	-0.003	777429	200.000	190	80.00- 120.00	100.00		
<hr/>									
2 alpha-BHC									
2.450	2.450	0.000	2426250	500.000	440	80.00- 120.00	100.00		
<hr/>									
5 gamma-BHC (Lindane)									
2.923	2.927	-0.004	2288617	500.000	440	80.00- 120.00	100.00		
<hr/>									
3 beta-BHC									
3.087	3.090	-0.003	1091774	500.000	430	80.00- 120.00	100.00		
<hr/>									
4 delta-BHC									
3.397	3.400	-0.003	2209713	500.000	450	80.00- 120.00	100.00		
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Data File: WR704898.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS					
			CAL-AMT		ON-COL		TARGET RANGE	RATIO
			RESPONSE	( ug/L)	( ug/L)	=====		
17 Heptachlor			CAS #:	76-44-8				
3.783	3.783	0.000	1912402	500.000	420	80.00- 120.00	100.00	
1 Aldrin			CAS #:	309-00-2				
4.323	4.323	0.000	2027221	500.000	440	80.00- 120.00	100.00	
18 Heptachlor epoxide			CAS #:	1024-57-3				
5.433	5.437	-0.004	1828859	500.000	420	80.00- 120.00	100.00	
65 gamma-Chlordane			CAS #:	5103-74-2				
5.680	5.680	0.000	1975461	500.000	440	80.00- 120.00	100.00	
66 alpha-Chlordane			CAS #:	5103-71-9				
5.940	5.940	0.000	1842428	500.000	430	80.00- 120.00	100.00	
8 4,4'-DDE			CAS #:	72-55-9				
6.070	6.070	0.000	1765027	500.000	440	80.00- 120.00	100.00	
11 Endosulfan I			CAS #:	959-98-8				
6.163	6.163	0.000	1635307	500.000	420	80.00- 120.00	100.00	
10 Dieldrin			CAS #:	60-57-1				
6.467	6.467	0.000	1692685	500.000	430	80.00- 120.00	100.00	
14 Endrin			CAS #:	72-20-8				
6.713	6.713	0.000	1357191	500.000	420	80.00- 120.00	100.00	
7 4,4'-DDD			CAS #:	72-54-8				
6.777	6.777	0.000	1426234	500.000	440	80.00- 120.00	100.00	
12 Endosulfan II			CAS #:	33213-65-9				
6.940	6.940	0.000	1425870	500.000	420	80.00- 120.00	100.00	
9 4,4'-DDT			CAS #:	50-29-3				
7.060	7.060	0.000	1445531	500.000	450	80.00- 120.00	100.00	
15 Endrin aldehyde			CAS #:	7421-93-4				
7.373	7.373	0.000	1152385	500.000	430	80.00- 120.00	100.00	
19 Methoxychlor			CAS #:	72-43-5				
7.570	7.570	0.000	644859	500.000	430	80.00- 120.00	100.00	
13 Endosulfan sulfate			CAS #:	1031-07-8				
7.847	7.847	0.000	1282318	500.000	420	80.00- 120.00	100.00	
16 Endrin ketone			CAS #:	53494-70-5				
8.157	8.157	0.000	1368025	500.000	430	80.00- 120.00	100.00	

Data File: WR704898.D  
Report Date: 02-Aug-2012 10:25

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			RESPONSE ( ug/L)	( ug/L)			
\$ 30	Decachlorobiphenyl(surr)	8.943	8.943	0.000	520515	200.000	180 80.00- 120.00 100.00

Data File: WR704898.D

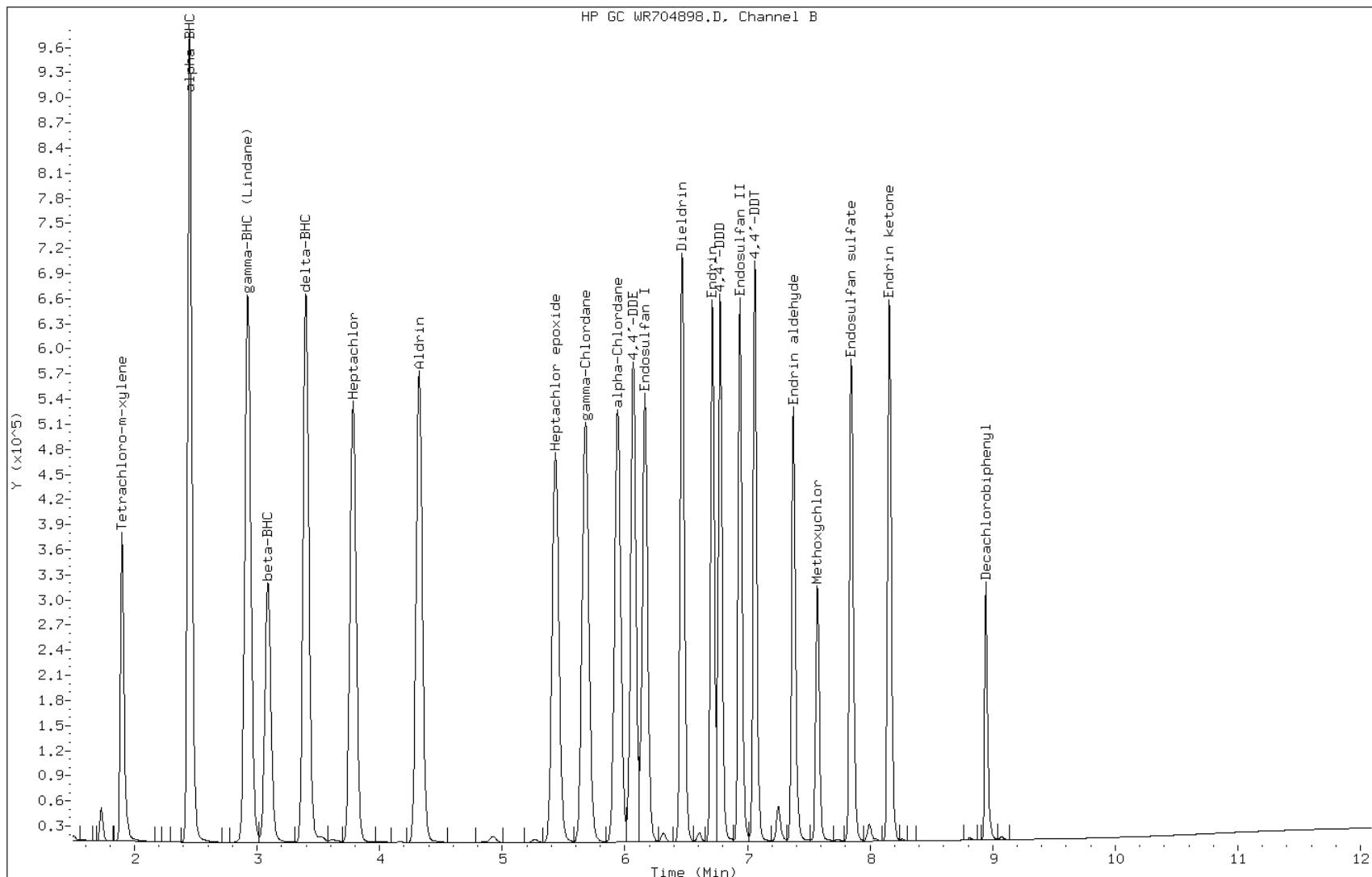
Date: 02-AUG-2012 09:25

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL5\_00012

Operator:



FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:39 Calibration End Date: 08/02/2012 09:39 Calibration ID: 16634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/10	WF704899.D

ANALYTE	LVL 1									RT WINDOW	AVG RT
Chlordane (technical) Peak 1	4.787									4.717 - 4.857	4.787
Chlordane (technical) Peak 2	5.080									5.010 - 5.150	5.080
Chlordane (technical) Peak 3	6.047									5.977 - 6.117	6.047
Chlordane (technical) Peak 4	6.823									6.753 - 6.893	6.823
Chlordane (technical) Peak 5	6.920									6.850 - 6.990	6.920
Chlordane (technical) Peak 6	6.980									6.910 - 7.050	6.980
Chlordane (technical) Peak 7	7.777									7.707 - 7.847	7.777
Chlordane (technical) Peak 8	7.993									7.923 - 8.063	7.993

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:39 Calibration End Date: 08/02/2012 09:39 Calibration ID: 16634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/10	WF704899.D

ANALYTE	CF			CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD	
	LVL 1				B	M1	M2									
Chlordane (technical) Peak	211.23			Ave		211.233000							20.0			
Chlordane (technical) Peak	281.99			Ave		281.988000							20.0			
Chlordane (technical) Peak	192.39			Ave		192.389000							20.0			
Chlordane (technical) Peak	479.62			Ave		479.622000							20.0			
Chlordane (technical) Peak	391.41			Ave		391.412000							20.0			
Chlordane (technical) Peak	403.45			Ave		403.449000							20.0			
Chlordane (technical) Peak	81.001			Ave		81.0010000							20.0			
Chlordane (technical) Peak	136.55			Ave		136.553000							20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:39 Calibration End Date: 08/02/2012 09:39 Calibration ID: 16634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/10	WF704899.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	211233					1000				
Chlordane (technical) Peak 2	Ave	281988					1000				
Chlordane (technical) Peak 3	Ave	192389					1000				
Chlordane (technical) Peak 4	Ave	479622					1000				
Chlordane (technical) Peak 5	Ave	391412					1000				
Chlordane (technical) Peak 6	Ave	403449					1000				
Chlordane (technical) Peak 7	Ave	81001					1000				
Chlordane (technical) Peak 8	Ave	136553					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704899.D  
Lab Smp Id: SGCHLOL3\_00010  
Inj Date : 02-AUG-2012 09:39  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGCHLOL3\_00010  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: CHLORDANE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE ( ug/L)	CAL-AMT ( ug/L)	ON-COL ( ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

6 Chlordane			CAS #: 57-74-9				
4.787	4.787	0.000	211233 1000.00	1000	80.00-	120.00	100.00
5.080	5.080	0.000	281988 1000.00	1000	106.80-	160.20	133.50
6.047	6.047	0.000	192389 1000.00	1000	72.86-	109.29	91.08
6.823	6.823	0.000	479622 1000.00	1000	181.65-	272.47	227.06
6.920	6.920	0.000	391412 1000.00	1000	148.24-	222.36	185.30
6.980	6.980	0.000	403449 1000.00	1000	152.80-	229.20	191.00
7.777	7.777	0.000	81001 1000.00	1000	30.68-	46.02	38.35
7.993	7.993	0.000	136553 1000.00	1000	51.72-	77.57	64.65

Average of Peak Amounts = 1e+03

Data File: WF704899.D

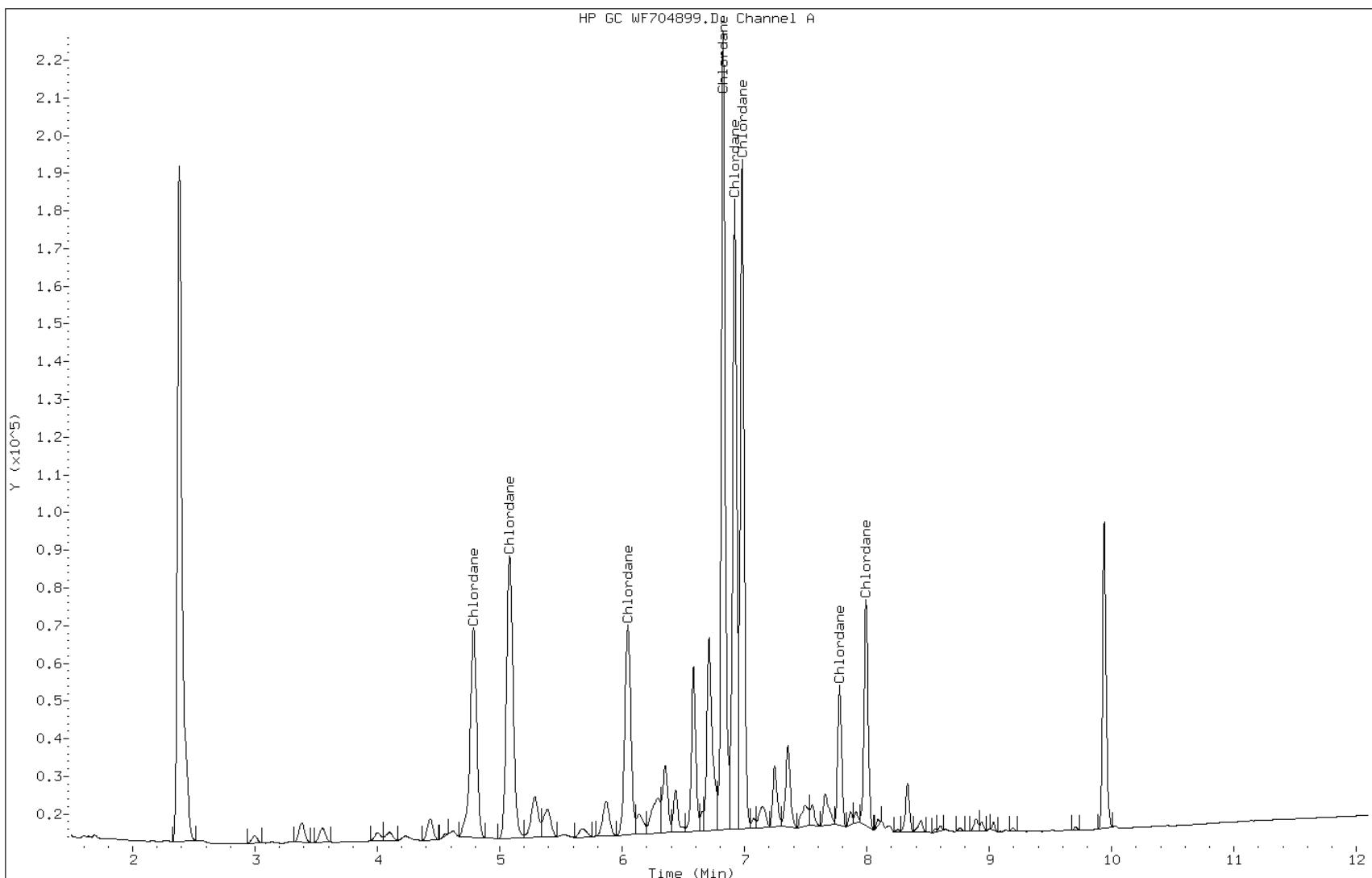
Date: 02-AUG-2012 09:39

Client ID:

Instrument: PESTGC4.i

Sample Info: SGCHLOL3\_00010

### Operator:



FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:39 Calibration End Date: 08/02/2012 09:39 Calibration ID: 16633

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/10	WR704899.D

ANALYTE	LVL 1									RT WINDOW	AVG RT
Chlordane (technical) Peak 1	3.640									3.570 - 3.710	3.640
Chlordane (technical) Peak 2	3.787									3.717 - 3.857	3.787
Chlordane (technical) Peak 3	4.570									4.500 - 4.640	4.570
Chlordane (technical) Peak 4	5.310									5.240 - 5.380	5.310
Chlordane (technical) Peak 5	5.677									5.607 - 5.747	5.677
Chlordane (technical) Peak 6	5.927									5.857 - 5.997	5.927
Chlordane (technical) Peak 7	6.747									6.677 - 6.817	6.747
Chlordane (technical) Peak 8	6.870									6.800 - 6.940	6.870

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:39 Calibration End Date: 08/02/2012 09:39 Calibration ID: 16633

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/10	WR704899.D

ANALYTE	CF			CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD	
	LVL 1				B	M1	M2									
Chlordane (technical) Peak	181.95			Ave		181.952000							20.0			
Chlordane (technical) Peak	234.63			Ave		234.634000							20.0			
Chlordane (technical) Peak	204.59			Ave		204.586000							20.0			
Chlordane (technical) Peak	100.67			Ave		100.674000							20.0			
Chlordane (technical) Peak	578.66			Ave		578.661000							20.0			
Chlordane (technical) Peak	871.03			Ave		871.032000							20.0			
Chlordane (technical) Peak	104.31			Ave		104.311000							20.0			
Chlordane (technical) Peak	159.29			Ave		159.289000							20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:39 Calibration End Date: 08/02/2012 09:39 Calibration ID: 16633

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/10	WR704899.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Chlordane (technical) Peak 1	Ave	181952					1000				
Chlordane (technical) Peak 2	Ave	234634					1000				
Chlordane (technical) Peak 3	Ave	204586					1000				
Chlordane (technical) Peak 4	Ave	100674					1000				
Chlordane (technical) Peak 5	Ave	578661					1000				
Chlordane (technical) Peak 6	Ave	871032					1000				
Chlordane (technical) Peak 7	Ave	104311					1000				
Chlordane (technical) Peak 8	Ave	159289					1000				

Curve Type Legend:

Ave = Average

Data File: WR704899.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704899.D  
Lab Smp Id: SGCHLOL3\_00010  
Inj Date : 02-AUG-2012 09:39  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGCHLOL3\_00010  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: CHLORDANE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

6 Chlordane			CAS #: 57-74-9				
3.640	3.640	0.000	181952 1000.00	1000	80.00-	120.00	100.00
3.787	3.787	0.000	234634 1000.00	1000	103.16-	154.74	128.95
4.570	4.570	0.000	204586 1000.00	1000	89.95-	134.93	112.44
5.310	5.310	0.000	100674 1000.00	1000	44.26-	66.40	55.33
5.677	5.677	0.000	578661 1000.00	1000	254.42-	381.64	318.03
5.927	5.927	0.000	871032 1000.00	1000	382.97-	574.46	478.72
6.747	6.747	0.000	104311 1000.00	1000	45.86-	68.79	57.33
6.870	6.870	0.000	159289 1000.00	1000	70.04-	105.05	87.54

Average of Peak Amounts = 1e+03

Data File: WR704899.D

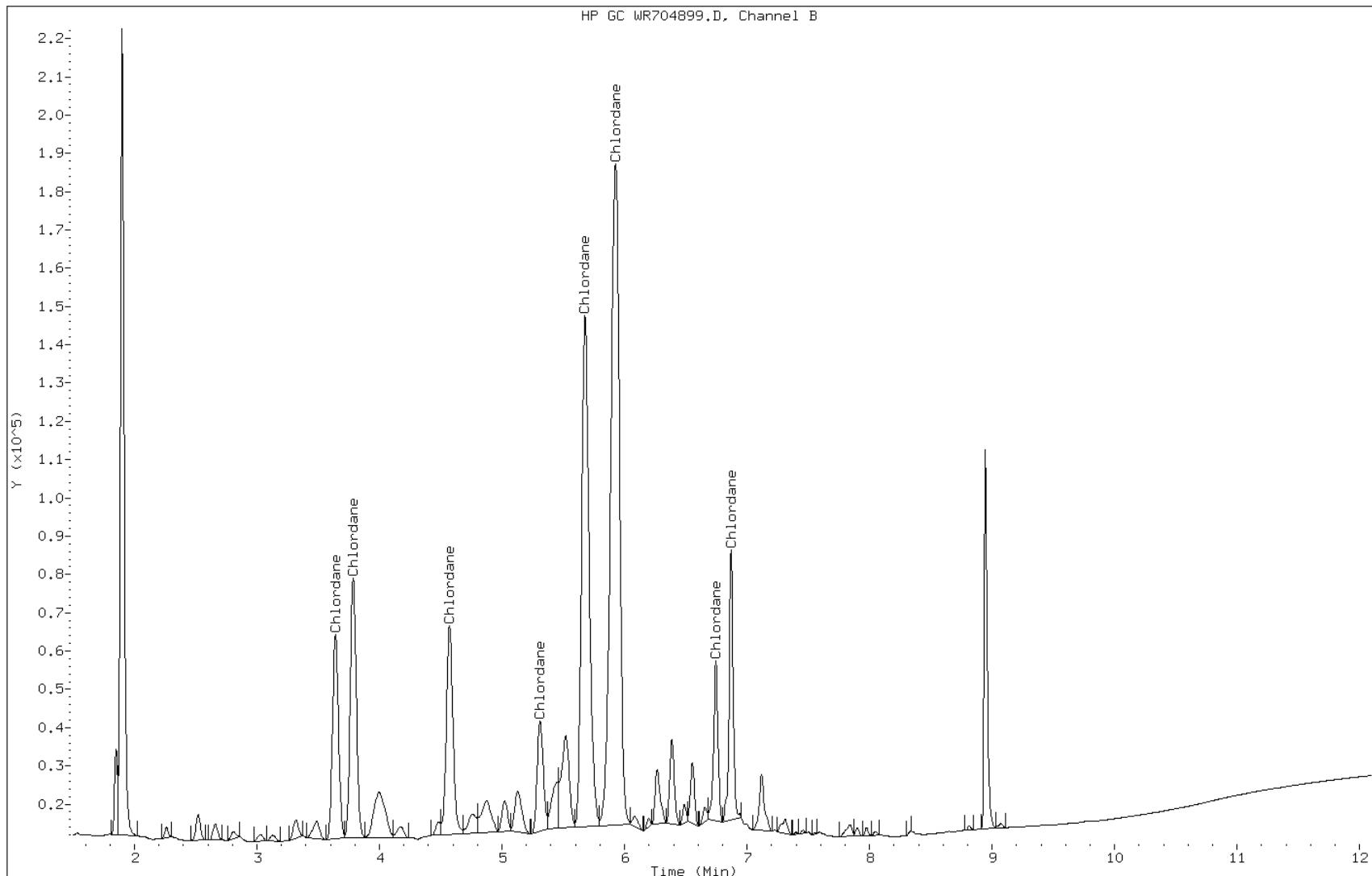
Date: 02-AUG-2012 09:39

Client ID:

Instrument: PESTGC4.i

Sample Info: SGCHLOL3\_00010

### Operator:



FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:53 Calibration End Date: 08/02/2012 09:53 Calibration ID: 16636

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/11	WF704900.D

ANALYTE	LVL 1									RT WINDOW	AVG RT
Toxaphene Peak 1	8.027									7.957 - 8.097	8.027
Toxaphene Peak 2	8.307									8.237 - 8.377	8.307
Toxaphene Peak 3	8.387									8.317 - 8.457	8.387
Toxaphene Peak 4	8.533									8.463 - 8.603	8.533
Toxaphene Peak 5	8.723									8.653 - 8.793	8.723
Toxaphene Peak 6	8.767									8.697 - 8.837	8.767
Toxaphene Peak 7	9.013									8.943 - 9.083	9.013
Toxaphene Peak 8	9.147									9.077 - 9.217	9.147

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:53 Calibration End Date: 08/02/2012 09:53 Calibration ID: 16636

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/11	WF704900.D

ANALYTE	CF			CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD	
	LVL 1				B	M1	M2									
Toxaphene Peak 1	167.93			Ave		167.931000							20.0			
Toxaphene Peak 2	140.15			Ave		140.153000							20.0			
Toxaphene Peak 3	140.45			Ave		140.450000							20.0			
Toxaphene Peak 4	104.53			Ave		104.533000							20.0			
Toxaphene Peak 5	207.64			Ave		207.637000							20.0			
Toxaphene Peak 6	307.73			Ave		307.731000							20.0			
Toxaphene Peak 7	137.71			Ave		137.712000							20.0			
Toxaphene Peak 8	182.47			Ave		182.466000							20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:53 Calibration End Date: 08/02/2012 09:53 Calibration ID: 16636

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/11	WF704900.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	167931					1000				
Toxaphene Peak 2	Ave	140153					1000				
Toxaphene Peak 3	Ave	140450					1000				
Toxaphene Peak 4	Ave	104533					1000				
Toxaphene Peak 5	Ave	207637					1000				
Toxaphene Peak 6	Ave	307731					1000				
Toxaphene Peak 7	Ave	137712					1000				
Toxaphene Peak 8	Ave	182466					1000				

Curve Type Legend:

Ave = Average

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/WF704900.D  
Lab Smp Id: SGTOXL3\_00013  
Inj Date : 02-AUG-2012 09:53  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGTOXL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-02-12aical/02aug12a.b/08WF8081.m  
Meth Date : 02-Aug-2012 10:22 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: TOXAPH0.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====

20 Toxaphene				CAS #: 8001-35-2			
8.027	8.027	0.000	167931 1000.00	1000	80.00-	120.00	100.00
8.307	8.307	0.000	140153 1000.00	1000	66.77-	100.15	83.46
8.387	8.387	0.000	140450 1000.00	1000	66.91-	100.36	83.64
8.533	8.533	0.000	104533 1000.00	1000	49.80-	74.70	62.25
8.723	8.723	0.000	207637 1000.00	1000	98.92-	148.37	123.64
8.767	8.767	0.000	307731 1000.00	1000	146.60-	219.90	183.25
9.013	9.013	0.000	137712 1000.00	1000	65.60-	98.41	82.01
9.147	9.147	0.000	182466 1000.00	1000	86.92-	130.39	108.66

Average of Peak Amounts = 1e+03

Data File: WF704900.D

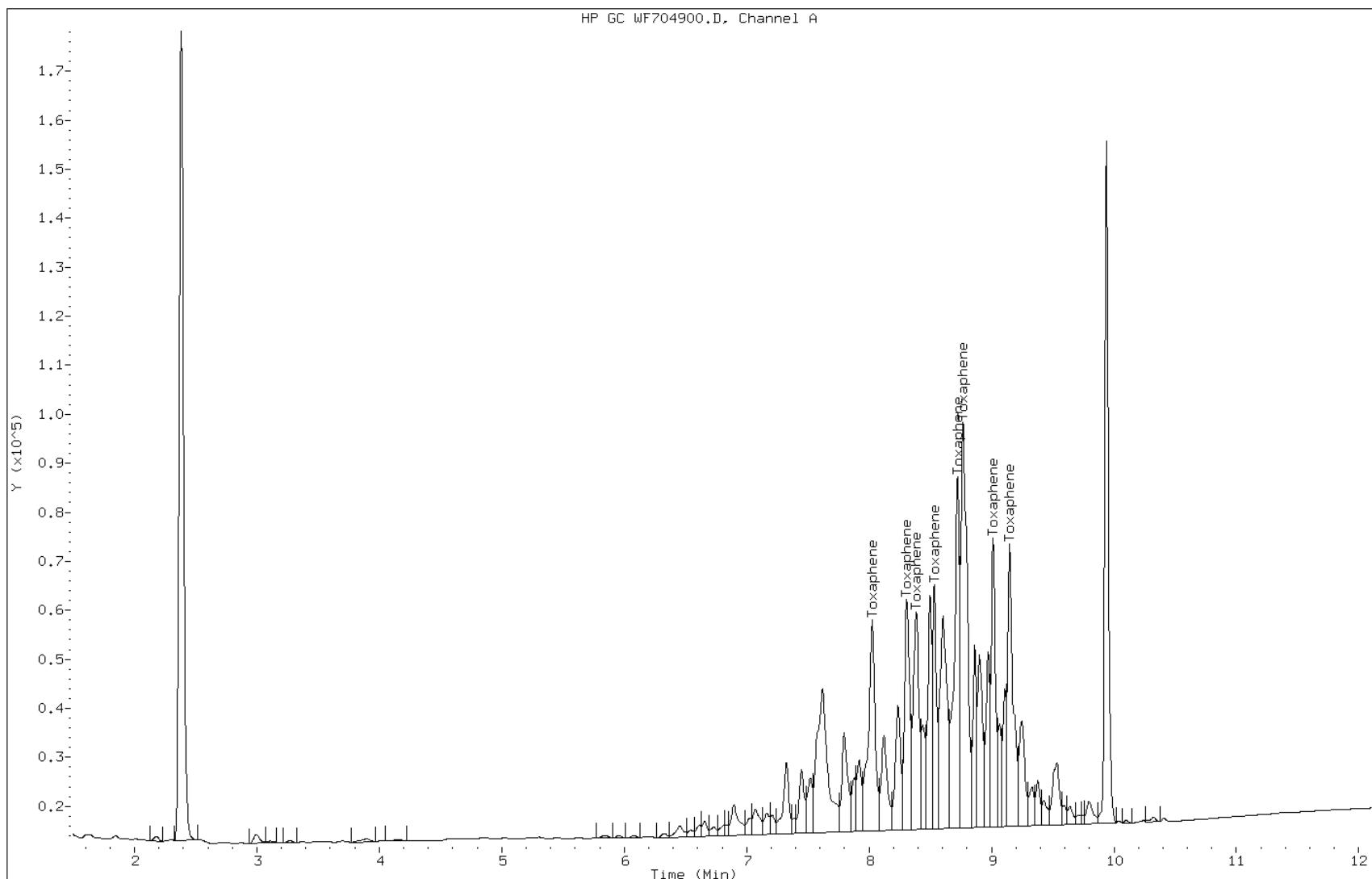
Date: 02-AUG-2012 09:53

Client ID:

Instrument: PESTGC4.i

Sample Info: SGTOXL3\_00013

### Operator:



FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:53 Calibration End Date: 08/02/2012 09:53 Calibration ID: 16635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/11	WR704900.D

ANALYTE	LVL 1									RT WINDOW	AVG RT
Toxaphene Peak 1	7.000									6.930 - 7.070	7.000
Toxaphene Peak 2	7.283									7.213 - 7.353	7.283
Toxaphene Peak 3	7.350									7.280 - 7.420	7.350
Toxaphene Peak 4	7.483									7.413 - 7.553	7.483
Toxaphene Peak 5	7.733									7.663 - 7.803	7.733
Toxaphene Peak 6	7.830									7.760 - 7.900	7.830
Toxaphene Peak 7	8.137									8.067 - 8.207	8.137
Toxaphene Peak 8	8.287									8.217 - 8.357	8.287

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:53 Calibration End Date: 08/02/2012 09:53 Calibration ID: 16635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/11	WR704900.D

ANALYTE	CF			CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD	
	LVL 1				B	M1	M2									
Toxaphene Peak 1	142.14			Ave		142.135000							20.0			
Toxaphene Peak 2	223.46			Ave		223.458000							20.0			
Toxaphene Peak 3	188.61			Ave		188.613000							20.0			
Toxaphene Peak 4	163.54			Ave		163.542000							20.0			
Toxaphene Peak 5	190.62			Ave		190.620000							20.0			
Toxaphene Peak 6	323.01			Ave		323.009000							20.0			
Toxaphene Peak 7	175.12			Ave		175.117000							20.0			
Toxaphene Peak 8	112.92			Ave		112.924000							20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
PESTICIDES INITIAL CALIBRATION DATA  
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Edison Job No.: 460-43235-1 Analy Batch No.: 122272

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 GC Column: CLP-1 ID: 0.53 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/02/2012 09:53 Calibration End Date: 08/02/2012 09:53 Calibration ID: 16635

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-122272/11	WR704900.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1					LVL 1				
Toxaphene Peak 1	Ave	142135					1000				
Toxaphene Peak 2	Ave	223458					1000				
Toxaphene Peak 3	Ave	188613					1000				
Toxaphene Peak 4	Ave	163542					1000				
Toxaphene Peak 5	Ave	190620					1000				
Toxaphene Peak 6	Ave	323009					1000				
Toxaphene Peak 7	Ave	175117					1000				
Toxaphene Peak 8	Ave	112924					1000				

Curve Type Legend:

Ave = Average

Data File: WR704900.D  
Report Date: 02-Aug-2012 10:25

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/WR704900.D  
Lab Smp Id: SGTOXL3\_00013  
Inj Date : 02-AUG-2012 09:53  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGTOXL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b/08Wr8081.m  
Meth Date : 02-Aug-2012 10:25 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Calibration Sample, Level: 3  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: TOXAPH0.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE ( ug/L)	CAL-AMT ( ug/L)	ON-COL ( ug/L)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====
20	Toxaphene			CAS #: 8001-35-2			
7.000	7.000	0.000	142135 1000.00	1000	80.00- 120.00	100.00	
7.283	7.283	0.000	223458 1000.00	1000	125.77- 188.66	157.22	
7.350	7.350	0.000	188613 1000.00	1000	106.16- 159.24	132.70	
7.483	7.483	0.000	163542 1000.00	1000	92.05- 138.07	115.06	
7.733	7.733	0.000	190620 1000.00	1000	107.29- 160.93	134.11	
7.830	7.830	0.000	323009 1000.00	1000	181.80- 272.71	227.26	
8.137	8.137	0.000	175117 1000.00	1000	98.56- 147.85	123.20	
8.287	8.287	0.000	112924 1000.00	1000	63.56- 95.34	79.45	
Average of Peak Amounts =				1e+03			

Data File: WR704900.D

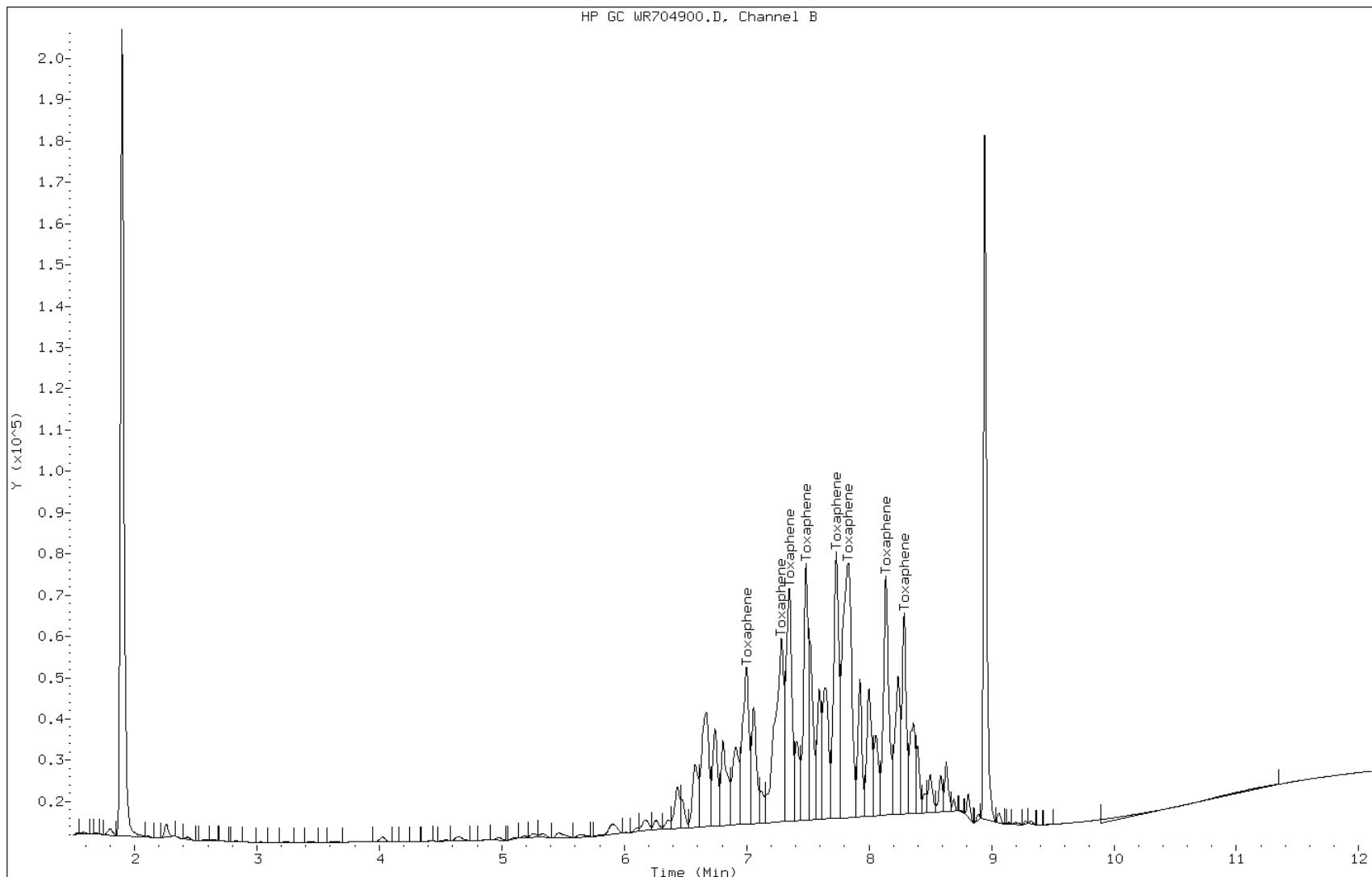
Date: 02-AUG-2012 09:53

Client ID:

Instrument: PESTGC4.i

Sample Info: SGTOXL3\_00013

### Operator:



FORM VII  
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: PEM 460-123769/3 Calibration Date: 08/13/2012 06:49  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705423.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.71	847107	2.86	15	
Endrin aldehyde	8.31	7805			
Endrin ketone	8.94	17102			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4, 4'-DDT	8.16	773560	5.35	15	
4, 4'-DDD	7.80	11539			
4, 4'-DDE	7.15	32172			

Data File: WF705423.D  
Report Date: 13-Aug-2012 12:48

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705423.D  
Lab Smp Id: SGDDT/Ei\_00018  
Inj Date : 13-AUG-2012 06:49  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGDDT/Ei\_00018  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08Wf8081.m  
Meth Date : 13-Aug-2012 12:48 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: END\_DDT.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
 7 4,4'-DDD						
7.797	7.797	0.000	11539	3.95142	2.6 80.00- 120.00	100.00(a)
 8 4,4'-DDE						
7.150	7.150	0.000	32172	8.83082	5.9 80.00- 120.00	100.00(a)
 9 4,4'-DDT						
8.157	8.157	0.000	773560	258.251	170 80.00- 120.00	100.00
 14 Endrin						
7.707	7.707	0.000	847107	262.883	180 80.00- 120.00	100.00
 15 Endrin aldehyde						
8.310	8.310	0.000	7805	3.36536	2.2 80.00- 120.00	100.00(a)

Data File: WF705423.D  
Report Date: 13-Aug-2012 12:48

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL	FINAL			
			=====	=====	=====		
16	Endrin ketone			CAS #:	53494-70-5		
8.940	8.940	0.000	17102	6.05789	4.0	80.00- 120.00	100.00(a)

---

#### QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WF705423.D

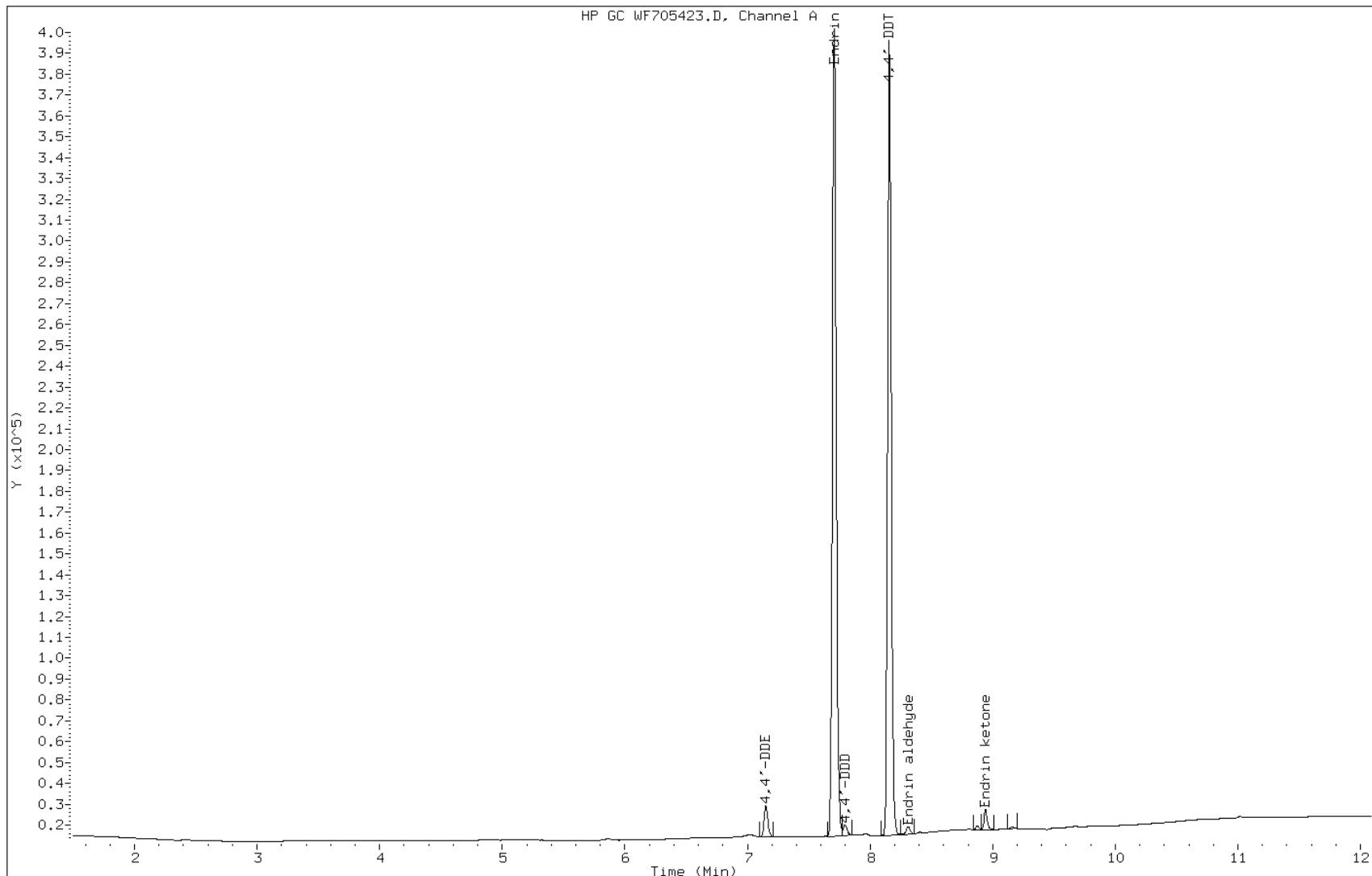
Date: 13-AUG-2012 06:49

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei\_00018

Operator:



FORM VII  
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: PEM 460-123769/3 Calibration Date: 08/13/2012 06:49

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705423.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.73	898399	3.30	15	
Endrin aldehyde	7.39	8192			
Endrin ketone	8.17	22450			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4, 4'-DDT	7.07	870820	3.72	15	
4, 4'-DDD	0.00	0			
4, 4'-DDE	6.09	33644			

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705423.D  
Lab Smp Id: SGDDT/Ei\_00018  
Inj Date : 13-AUG-2012 06:49  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGDDT/Ei\_00018  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: END\_DDT.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE
8	4,4'-DDE			CAS #: 72-55-9	
6.093	6.090	0.003	33644	8.36993	80.00- 120.00 100.00(a)
9	4,4'-DDT			CAS #: 50-29-3	
7.073	7.073	0.000	870820	268.990	80.00- 120.00 100.00(a)
14	Endrin			CAS #: 72-20-8	
6.727	6.727	0.000	898399	277.341	80.00- 120.00 100.00(a)
15	Endrin aldehyde			CAS #: 7421-93-4	
7.390	7.387	0.003	8192	3.04597	80.00- 120.00 100.00(a)
16	Endrin ketone			CAS #: 53494-70-5	
8.170	8.167	0.003	22450	7.00802	80.00- 120.00 100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WR705423.D

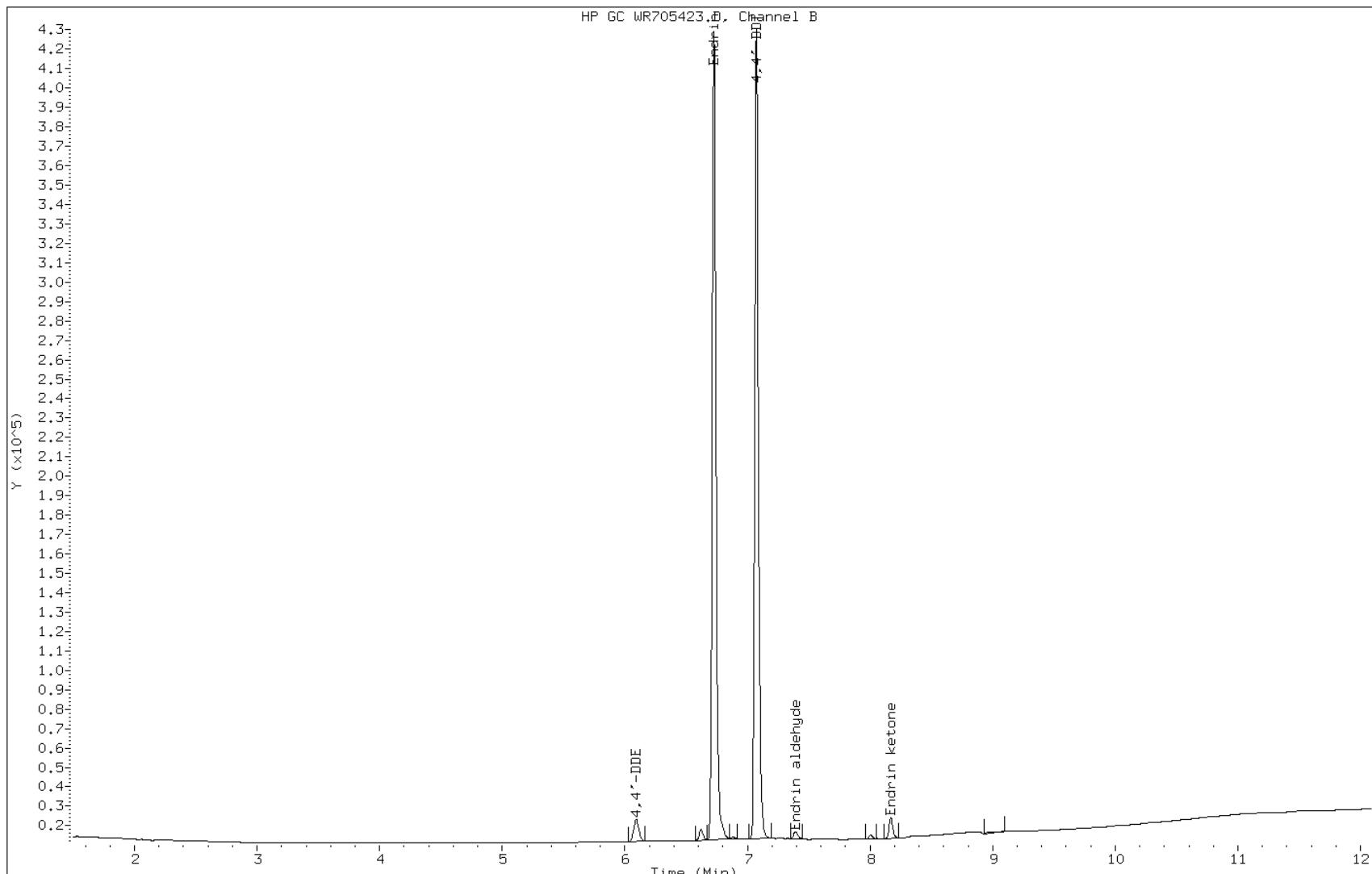
Date: 13-AUG-2012 06:49

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei\_00018

Operator:



FORM VII  
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: PEM 460-123908/3 Calibration Date: 08/13/2012 19:05

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705474.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.71	755078	7.38	15	
Endrin aldehyde	8.31	25126			
Endrin ketone	8.94	35063			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4, 4'-DDT	8.16	705672	7.27	15	
4, 4'-DDD	7.80	22049			
4, 4'-DDE	7.15	33238			

Data File: WF705474.D  
Report Date: 14-Aug-2012 08:33

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/WF705474.D  
Lab Smp Id: SGDDT/Ei\_00018  
Inj Date : 13-AUG-2012 19:05  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGDDT/Ei\_00018  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/08Wf8081.m  
Meth Date : 14-Aug-2012 08:32 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: END\_DDT.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	DLT RT	RESPONSE	( ug/L )	( ug/kg )	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
<b>7 4,4'-DDD</b>									
7.797	7.793	0.004	22049	7.55048	5.0	80.00-	120.00	100.00(a)	
<b>8 4,4'-DDE</b>									
7.150	7.150	0.000	33238	9.12342	6.1	80.00-	120.00	100.00(a)	
<b>9 4,4'-DDT</b>									
8.157	8.157	0.000	705672	235.586	160	80.00-	120.00	100.00	
<b>14 Endrin</b>									
7.707	7.707	0.000	755078	234.323	160	80.00-	120.00	100.00	
<b>15 Endrin aldehyde</b>									
8.310	8.310	0.000	25126	10.8338	7.2	80.00-	120.00	100.00	

Data File: WF705474.D  
Report Date: 14-Aug-2012 08:33

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL	FINAL			
			=====	=====	=====		
16	Endrin ketone			CAS #:	53494-70-5		
8.943	8.940	0.003	35063	12.4200	8.3	80.00- 120.00	100.00

#### QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WF705474.D

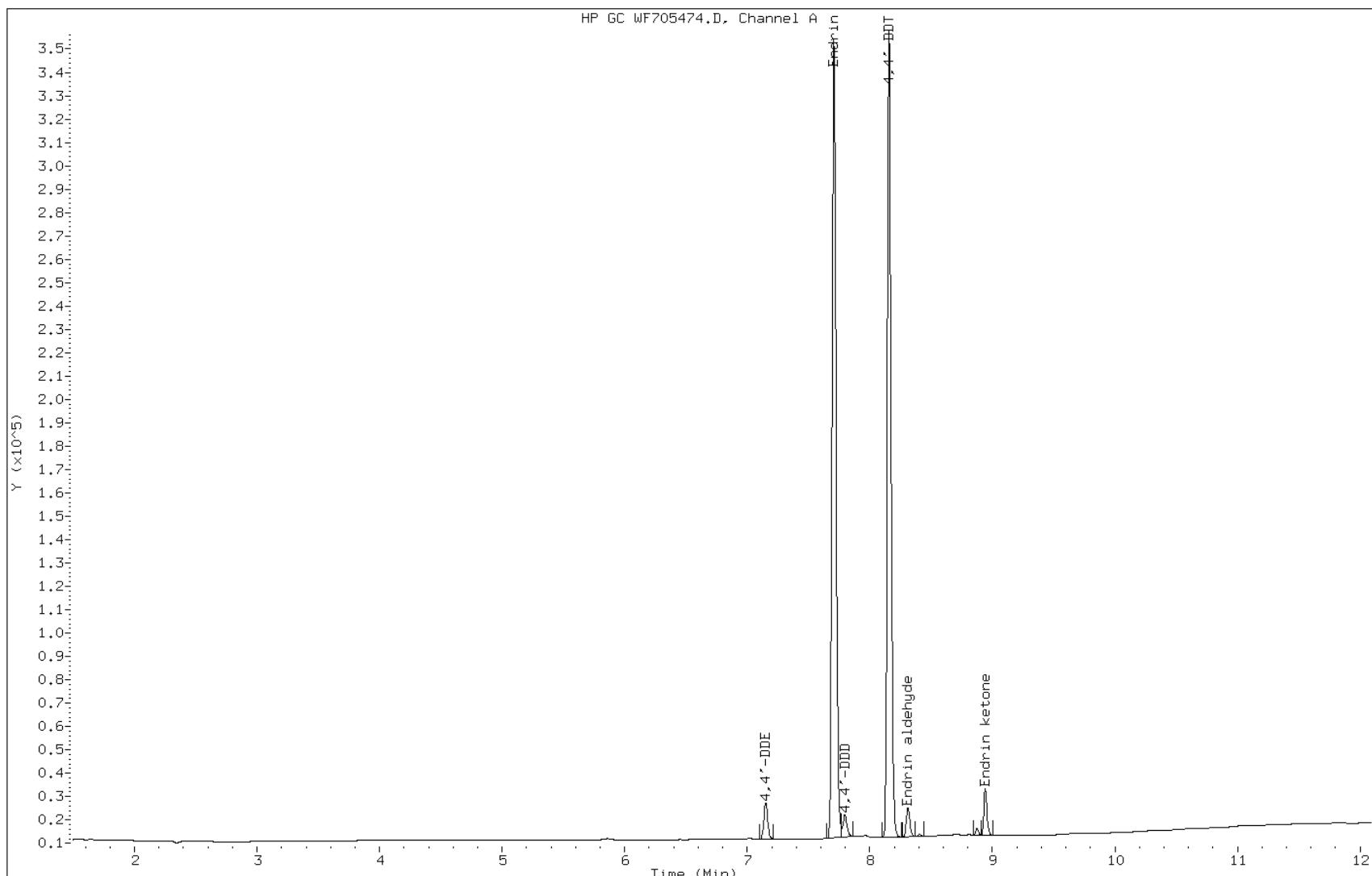
Date: 13-AUG-2012 19:05

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei\_00018

Operator:



FORM VII  
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: PEM 460-123908/3 Calibration Date: 08/13/2012 19:05

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705474.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.73	835731	8.54	15	
Endrin aldehyde	7.39	31949			
Endrin ketone	8.17	46095			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4, 4'-DDT	7.07	822427	4.17	15	
4, 4'-DDD	0.00	0			
4, 4'-DDE	6.09	35811			

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/WR705474.D  
Lab Smp Id: SGDDT/Ei\_00018  
Inj Date : 13-AUG-2012 19:05  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGDDT/Ei\_00018  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/08Wr8081.m  
Meth Date : 14-Aug-2012 08:30 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: END\_DDT.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
8	4,4'-DDE			CAS #: 72-55-9		
6.090	6.090	0.000	35811 8.90904	5.9	80.00- 120.00	100.00(a)
9	4,4'-DDT			CAS #: 50-29-3		
7.073	7.073	0.000	822427 254.042	170	80.00- 120.00	100.00
14	Endrin			CAS #: 72-20-8		
6.727	6.727	0.000	835731 257.995	170	80.00- 120.00	100.00
15	Endrin aldehyde			CAS #: 7421-93-4		
7.390	7.387	0.003	31949 11.8794	7.9	80.00- 120.00	100.00
16	Endrin ketone			CAS #: 53494-70-5		
8.170	8.167	0.003	46095 14.3891	9.6	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WR705474.D

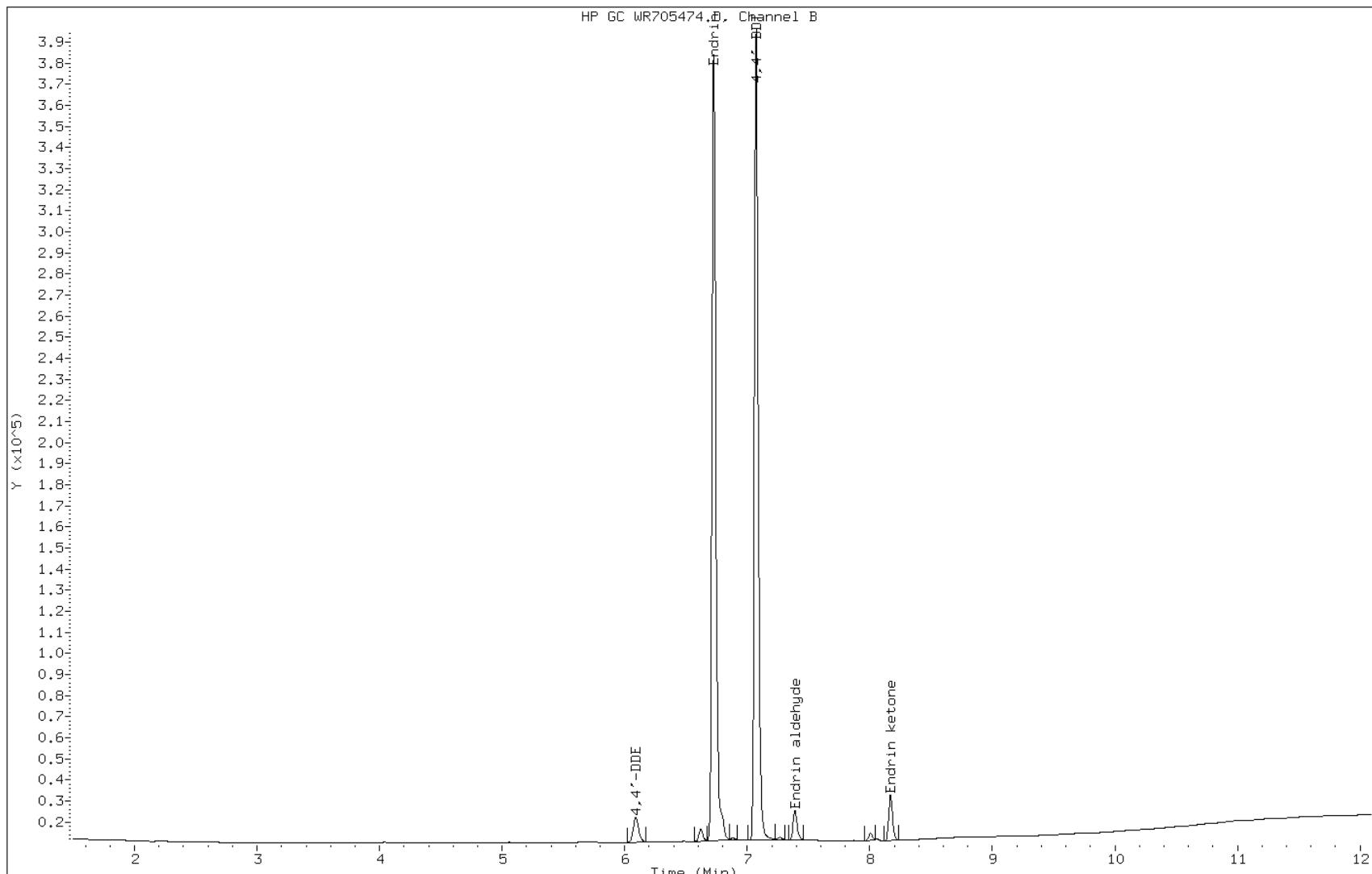
Date: 13-AUG-2012 19:05

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei\_00018

Operator:



FORM VII  
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: PEM 460-124316/25 Calibration Date: 08/16/2012 12:46  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705684.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.72	854619	3.68	15	
Endrin aldehyde	8.32	10184			
Endrin ketone	8.95	22499			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4, 4'-DDT	8.17	688796	6.84	15	
4, 4'-DDD	7.81	14207			
4, 4'-DDE	7.17	36335			

Data File: WF705684.D  
Report Date: 17-Aug-2012 07:54

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705684.D  
Lab Smp Id: SGDDT/Ei\_00018  
Inj Date : 16-AUG-2012 12:46  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGDDT/Ei\_00018  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 17-Aug-2012 07:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: END\_DDT.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	100.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL				FINAL					
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/l)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====	====		
7 4,4'-DDD									
7.813	7.793	0.020	14207	4.86506	0.24	80.00-	120.00	100.00(a)	
8 4,4'-DDE									
7.167	7.147	0.020	36335	9.97351	0.50	80.00-	120.00	100.00	
9 4,4'-DDT									
8.170	8.157	0.013	688796	229.952	11	80.00-	120.00	100.00	
14 Endrin									
7.723	7.707	0.016	854619	265.214	13	80.00-	120.00	100.00	
15 Endrin aldehyde									
8.323	8.307	0.016	10184	4.39113	0.22	80.00-	120.00	100.00(a)	

Data File: WF705684.D  
Report Date: 17-Aug-2012 07:54

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL		FINAL		
			RESPONSE ( ug/L)	( ug/l)	=====		
16	Endrin ketone			CAS #:	53494-70-5		
8.950	8.940	0.010	22499	7.96962	0.40	80.00- 120.00	100.00(a)

---

#### QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WF705684.D

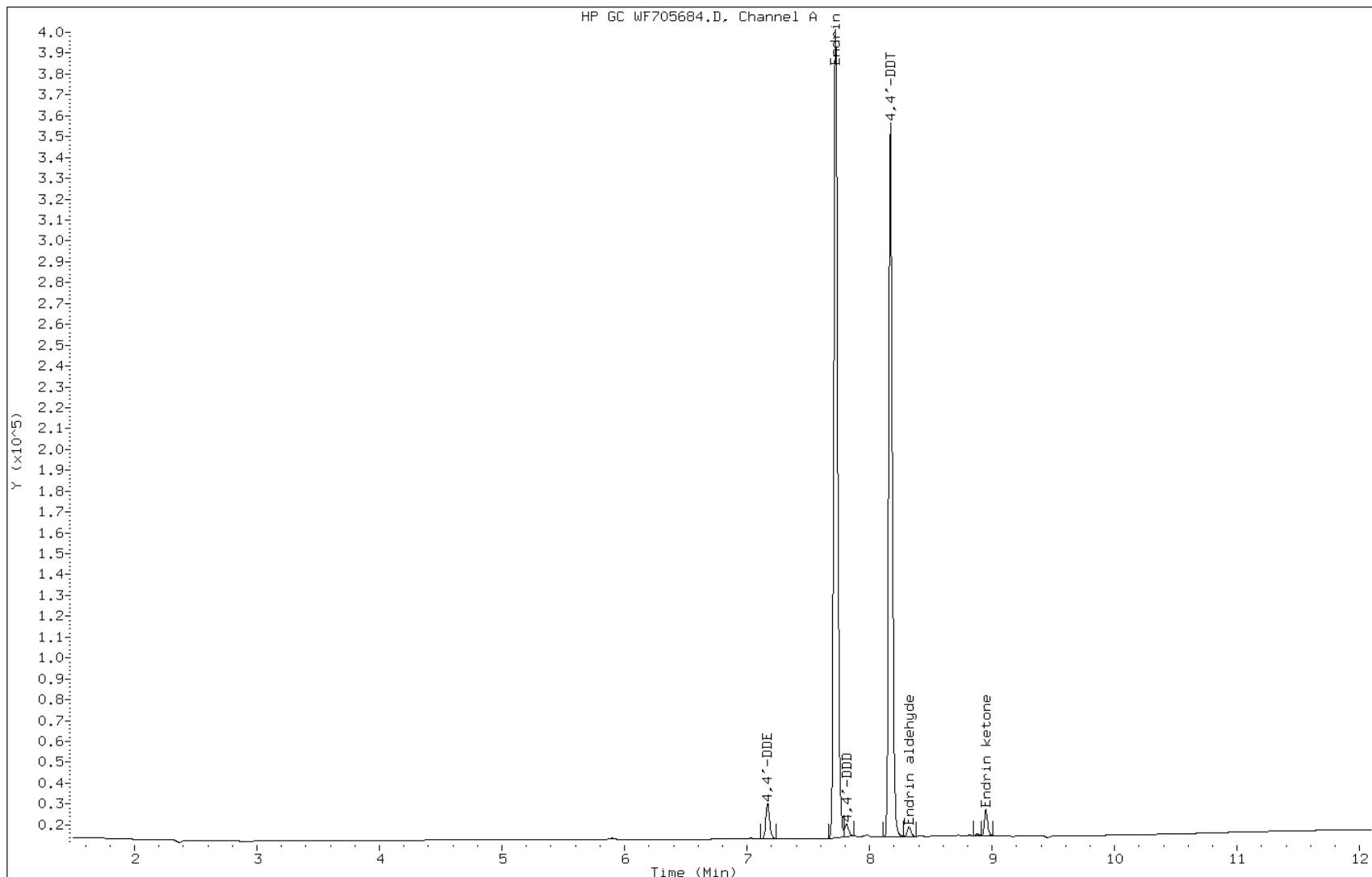
Date: 16-AUG-2012 12:46

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei\_00018

Operator:



FORM VII  
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: PEM 460-124316/25 Calibration Date: 08/16/2012 12:46

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705684.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.73	871275	3.82	15	
Endrin aldehyde	7.40	9459			
Endrin ketone	8.18	25104			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4, 4'-DDT	7.08	823784	4.09	15	
4, 4'-DDD	0.00	0			
4, 4'-DDE	6.11	35134			

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705684.D  
Lab Smp Id: SGDDT/Ei\_00018  
Inj Date : 16-AUG-2012 12:46  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGDDT/Ei\_00018  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 17-Aug-2012 07:51 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: END\_DDT.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	100.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL				FINAL					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	( ug/l )	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====	====	====	====
8 4,4'-DDE									
6.113	6.087	0.026	35134	8.74061	0.44	80.00-	120.00	100.00(a)	
9 4,4'-DDT									
7.083	7.070	0.013	823784	254.461	13	80.00-	120.00	100.00	
14 Endrin									
6.733	6.723	0.010	871275	268.968	13	80.00-	120.00	100.00	
15 Endrin aldehyde									
7.400	7.383	0.017	9459	3.51707	0.18	80.00-	120.00	100.00(a)	
16 Endrin ketone									
8.177	8.163	0.014	25104	7.83650	0.39	80.00-	120.00	100.00(a)	

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WR705684.D

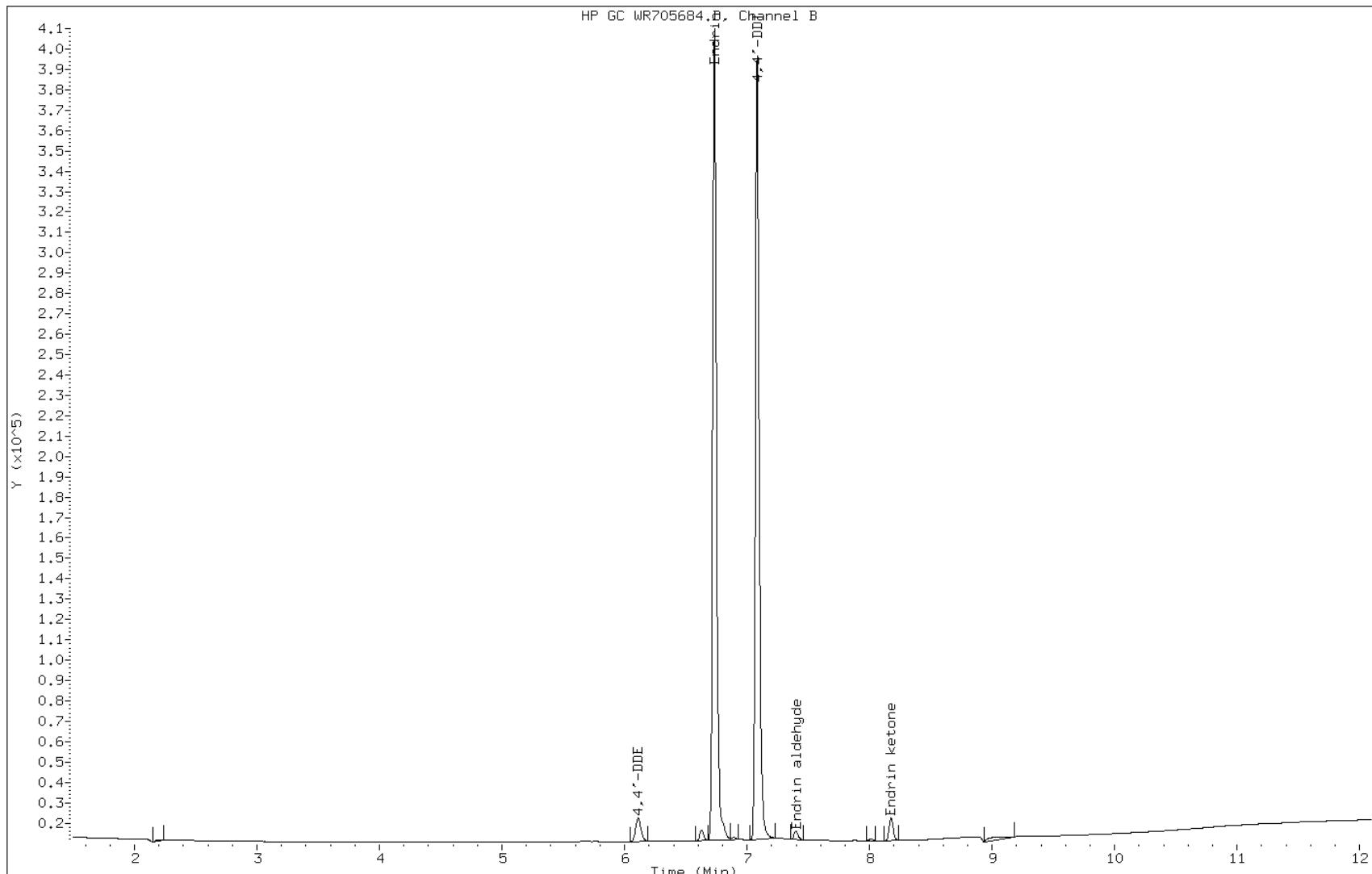
Date: 16-AUG-2012 12:46

Client ID:

Instrument: PESTGC4.i

Sample Info: SGDDT/Ei\_00018

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-123769/4 Calibration Date: 08/13/2012 07:03

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705424.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	5619		96.9	100	-3.1	15.0
gamma-BHC (Lindane)	Ave	5362	5096		95.0	100	-5.0	15.0
beta-BHC	Ave	2585	2455		94.9	100	-5.1	15.0
delta-BHC	Ave	5052	4794		94.9	100	-5.1	15.0
Heptachlor	Ave	5095	5059		99.3	100	-0.7	15.0
Aldrin	Ave	5058	4882		96.5	100	-3.5	15.0
Heptachlor epoxide	Ave	3773	3586		95.0	100	-5.0	15.0
gamma-Chlordane	Ave	3763	3556		94.5	100	-5.5	15.0
alpha-Chlordane	Ave	3548	3341		94.2	100	-5.8	15.0
Endosulfan I	Ave	3502	3293		94.0	100	-6.0	15.0
4,4'-DDE	Ave	3643	3465		95.1	100	-4.9	15.0
Dieldrin	Ave	3717	3532		95.0	100	-5.0	15.0
Endrin	Ave	3222	3166		98.2	100	-1.8	15.0
4,4"-DDD	Ave	2920	2889		98.9	100	-1.1	15.0
Endosulfan II	Ave	3219	3041		94.5	100	-5.5	15.0
4,4'-DDT	Ave	2995	2892		96.5	100	-3.5	15.0
Endrin aldehyde	Ave	2319	2205		95.1	100	-4.9	15.0
Endosulfan sulfate	Ave	2495	2288		91.7	100	-8.3	15.0
Methoxychlor	Ave	1242	1318		106	100	6.1	15.0
Endrin ketone	Ave	2823	2520		89.2	100	-10.8	15.0
Tetrachloro-m-xylene	Ave	4200	3844		91.5	100	-8.5	15.0
DCB Decachlorobiphenyl	Ave	2804	2583		92.1	100	-7.9	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVRT 460-123769/4 Calibration Date: 08/13/2012 07:03  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705424.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.49	3.44	3.54
gamma-BHC (Lindane)	4.21	4.16	4.26
beta-BHC	4.36	4.31	4.41
delta-BHC	4.95	4.90	5.00
Heptachlor	5.10	5.05	5.15
Aldrin	5.79	5.74	5.84
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.71	7.64	7.78
4,4'-DDD	7.79	7.73	7.87
Endosulfan II	7.95	7.88	8.02
4,4'-DDT	8.16	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.55	8.48	8.62
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.38	2.33	2.43
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705424.D  
Report Date: 13-Aug-2012 12:49

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705424.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 13-AUG-2012 07:03  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08Wf8081.m  
Meth Date : 13-Aug-2012 12:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.383	2.383	0.000	384397 100.000	92	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.487	3.487	0.000	561922 100.000	97	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.207	4.207	0.000	509602 100.000	95	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
4.360	4.360	0.000	245463 100.000	95	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
4.950	4.950	0.000	479351 100.000	95	80.00- 120.00	100.00			
-----									

Data File: WF705424.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT		ON-COL		
			RESPONSE	( ug/L)	( ug/L)	TARGET RANGE	
17 Heptachlor			CAS #:	76-44-8			
5.097	5.097	0.000	505878	100.000	99	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
5.787	5.787	0.000	488179	100.000	96	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.640	6.640	0.000	358609	100.000	95	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
6.837	6.837	0.000	355579	100.000	94	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
6.993	6.993	0.000	334071	100.000	94	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
7.063	7.063	0.000	329274	100.000	94	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
7.150	7.150	0.000	346530	100.000	95	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
7.363	7.363	0.000	353209	100.000	95	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
7.710	7.710	0.000	316562	100.000	98	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
7.793	7.793	0.000	288927	100.000	99	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
7.947	7.947	0.000	304110	100.000	94	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
8.157	8.157	0.000	289199	100.000	96	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
8.310	8.310	0.000	220529	100.000	95	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.547	8.547	0.000	228838	100.000	92	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
8.730	8.730	0.000	131803	100.000	110	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	251959	100.000	89	80.00- 120.00	100.00

Data File: WF705424.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
9.940	9.940	0.000	258336	100.000	92	80.00- 120.00	100.00

Data File: WF705424.D

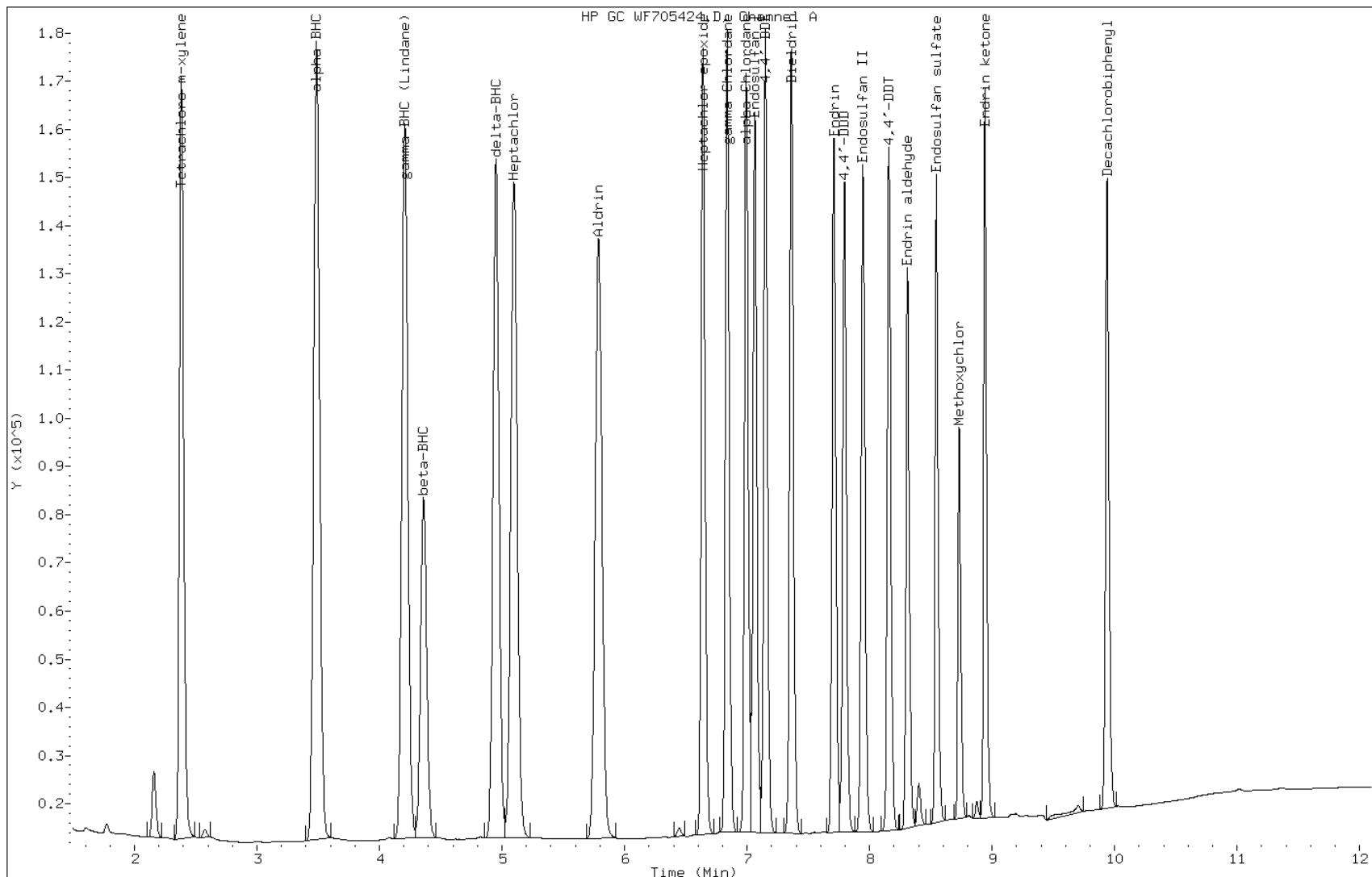
Date: 13-AUG-2012 07:03

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-123769/4 Calibration Date: 08/13/2012 07:03

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705424.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5339		97.0	100	-3.0	15.0
gamma-BHC (Lindane)	Ave	5222	5076		97.2	100	-2.8	15.0
beta-BHC	Ave	2548	2401		94.2	100	-5.8	15.0
delta-BHC	Ave	4881	4678		95.8	100	-4.2	15.0
Heptachlor	Ave	4507	4801		107	100	6.5	15.0
Aldrin	Ave	4602	4553		98.9	100	-1.1	15.0
Heptachlor epoxide	Ave	4316	4272		99.0	100	-1.0	15.0
gamma-Chlordane	Ave	4514	4376		96.9	100	-3.1	15.0
alpha-Chlordane	Ave	4288	4104		95.7	100	-4.3	15.0
4,4'-DDE	Ave	4020	3992		99.3	100	-0.7	15.0
Endosulfan I	Ave	3839	3783		98.5	100	-1.5	15.0
Dieldrin	Ave	3937	3857		98.0	100	-2.0	15.0
Endrin	Ave	3239	3291		102	100	1.6	15.0
4,4'-DDD	Ave	3230	3276		101	100	1.4	15.0
Endosulfan II	Ave	3388	3291		97.1	100	-2.9	15.0
4,4'-DDT	Ave	3237	3351		104	100	3.5	15.0
Endrin aldehyde	Ave	2689	2697		100	100	0.3	15.0
Methoxychlor	Ave	1513	1710		113	100	13.0	15.0
Endosulfan sulfate	Ave	3012	2898		96.2	100	-3.8	15.0
Endrin ketone	Ave	3203	3127		97.6	100	-2.4	15.0
Tetrachloro-m-xylene	Ave	4172	3896		93.4	100	-6.6	15.0
DCB Decachlorobiphenyl	Ave	2853	2708		94.9	100	-5.1	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-123769/4 Calibration Date: 08/13/2012 07:03

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705424.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.93	2.88	2.98
beta-BHC	3.10	3.04	3.14
delta-BHC	3.41	3.36	3.46
Heptachlor	3.80	3.74	3.84
Aldrin	4.34	4.29	4.39
Heptachlor epoxide	5.46	5.39	5.53
gamma-Chlordane	5.70	5.63	5.77
alpha-Chlordane	5.96	5.89	6.03
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.73	6.66	6.80
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.39	7.32	7.46
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.86	7.79	7.93
Endrin ketone	8.17	8.10	8.24
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705424.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 13-AUG-2012 07:03  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/L)	CAL-AMT		ON-COL		RATIO
					=====	=====	=====	=====	
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)					CAS #:	877-09-8			
1.897	1.897	0.000	389600	100.000	93	80.00-	120.00	100.00(a)	
<hr/>									
2 alpha-BHC									
2.450	2.450	0.000	533891	100.000	97	80.00-	120.00	100.00(a)	
<hr/>									
5 gamma-BHC (Lindane)									
2.930	2.930	0.000	507628	100.000	97	80.00-	120.00	100.00(a)	
<hr/>									
3 beta-BHC									
3.097	3.093	0.004	240112	100.000	94	80.00-	120.00	100.00(a)	
<hr/>									
4 delta-BHC									
3.410	3.407	0.003	467794	100.000	96	80.00-	120.00	100.00(a)	
<hr/>									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO
			CAL-AMT	ON-COL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor				CAS #: 76-44-8		
3.797	3.793	0.004	480092	100.000	110 80.00- 120.00	100.00(a)
1 Aldrin				CAS #: 309-00-2		
4.340	4.337	0.003	455284	100.000	99 80.00- 120.00	100.00(a)
18 Heptachlor epoxide				CAS #: 1024-57-3		
5.460	5.457	0.003	427202	100.000	99 80.00- 120.00	100.00(a)
65 gamma-Chlordane				CAS #: 5103-74-2		
5.703	5.703	0.000	437595	100.000	97 80.00- 120.00	100.00(a)
66 alpha-Chlordane				CAS #: 5103-71-9		
5.963	5.963	0.000	410423	100.000	96 80.00- 120.00	100.00(a)
8 4,4'-DDE				CAS #: 72-55-9		
6.090	6.090	0.000	399157	100.000	99 80.00- 120.00	100.00(a)
11 Endosulfan I				CAS #: 959-98-8		
6.183	6.183	0.000	378283	100.000	98 80.00- 120.00	100.00(a)
10 Dieldrin				CAS #: 60-57-1		
6.483	6.483	0.000	385651	100.000	98 80.00- 120.00	100.00(a)
14 Endrin				CAS #: 72-20-8		
6.727	6.727	0.000	329129	100.000	100 80.00- 120.00	100.00(a)
7 4,4'-DDD				CAS #: 72-54-8		
6.790	6.790	0.000	327627	100.000	100 80.00- 120.00	100.00(a)
12 Endosulfan II				CAS #: 33213-65-9		
6.950	6.950	0.000	329142	100.000	97 80.00- 120.00	100.00(a)
9 4,4'-DDT				CAS #: 50-29-3		
7.073	7.073	0.000	335119	100.000	100 80.00- 120.00	100.00(a)
15 Endrin aldehyde				CAS #: 7421-93-4		
7.387	7.387	0.000	269681	100.000	100 80.00- 120.00	100.00(a)
19 Methoxychlor				CAS #: 72-43-5		
7.583	7.583	0.000	170967	100.000	110 80.00- 120.00	100.00(a)
13 Endosulfan sulfate				CAS #: 1031-07-8		
7.860	7.860	0.000	289801	100.000	96 80.00- 120.00	100.00(a)
16 Endrin ketone				CAS #: 53494-70-5		
8.167	8.167	0.000	312694	100.000	98 80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)		270783	100.000	95	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WR705424.D

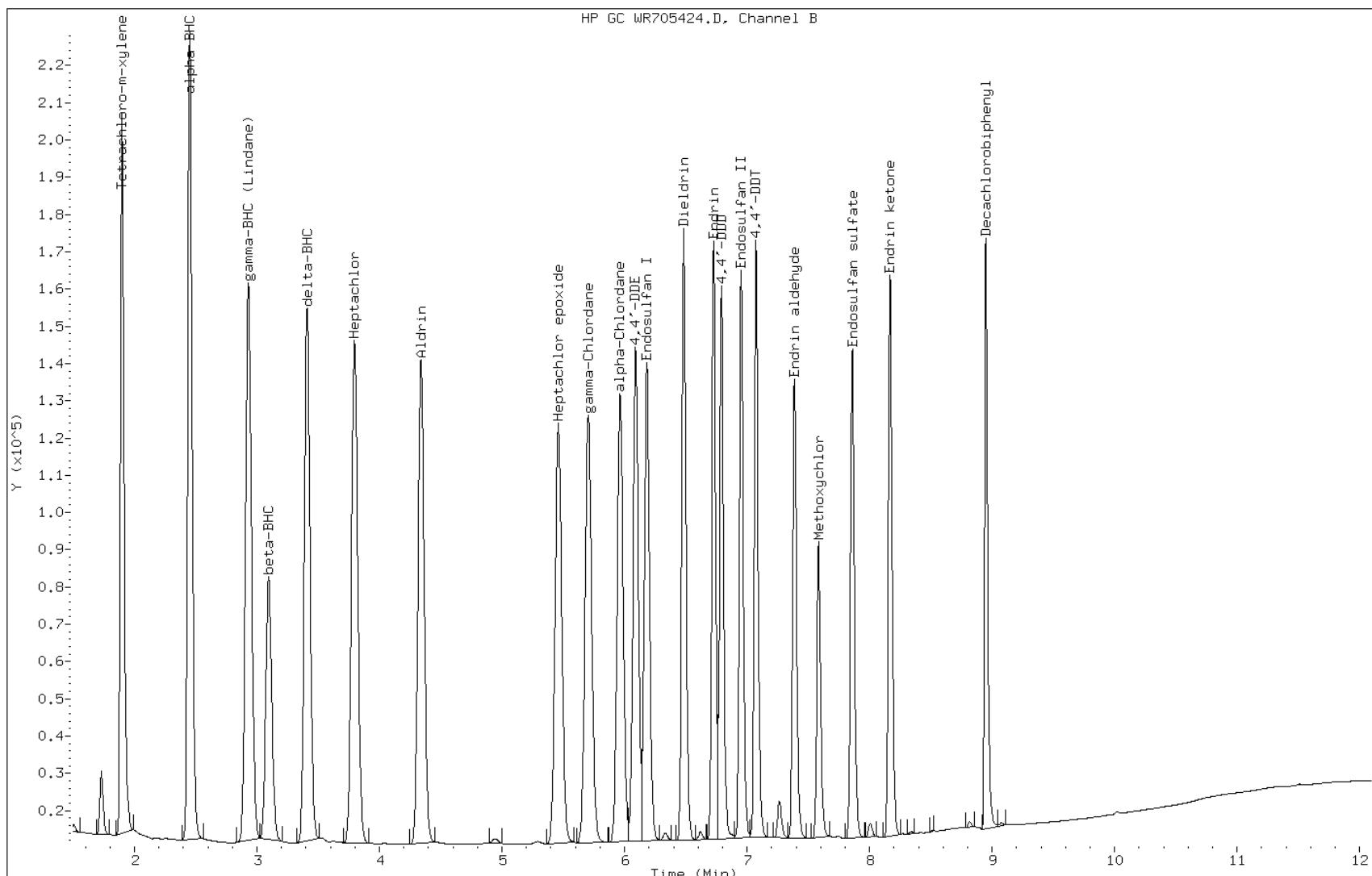
Date: 13-AUG-2012 07:03

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-123769/26 Calibration Date: 08/13/2012 12:19

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705446.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	5996		103	100	3.4	15.0
gamma-BHC (Lindane)	Ave	5362	5516		103	100	2.9	15.0
beta-BHC	Ave	2585	2683		104	100	3.8	15.0
delta-BHC	Ave	5052	5179		103	100	2.5	15.0
Heptachlor	Ave	5095	5270		103	100	3.4	15.0
Aldrin	Ave	5058	5226		103	100	3.3	15.0
Heptachlor epoxide	Ave	3773	3799		101	100	0.7	15.0
gamma-Chlordane	Ave	3763	3831		102	100	1.8	15.0
alpha-Chlordane	Ave	3548	3591		101	100	1.2	15.0
Endosulfan I	Ave	3502	3567		102	100	1.9	15.0
4,4'-DDE	Ave	3643	3707		102	100	1.8	15.0
Dieldrin	Ave	3717	3751		101	100	0.9	15.0
Endrin	Ave	3222	3270		101	100	1.5	15.0
4,4"-DDD	Ave	2920	3088		106	100	5.7	15.0
Endosulfan II	Ave	3219	3229		100	100	0.3	15.0
4,4'-DDT	Ave	2995	3026		101	100	1.0	15.0
Endrin aldehyde	Ave	2319	2343		101	100	1.0	15.0
Endosulfan sulfate	Ave	2495	2365		94.8	100	-5.2	15.0
Methoxychlor	Ave	1242	1362		110	100	9.7	15.0
Endrin ketone	Ave	2823	2627		93.1	100	-6.9	15.0
Tetrachloro-m-xylene	Ave	4200	4146		98.7	100	-1.3	15.0
DCB Decachlorobiphenyl	Ave	2804	2730		97.4	100	-2.6	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-123769/26 Calibration Date: 08/13/2012 12:19

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705446.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.49	3.44	3.54
gamma-BHC (Lindane)	4.21	4.16	4.26
beta-BHC	4.36	4.31	4.41
delta-BHC	4.95	4.90	5.00
Heptachlor	5.10	5.05	5.15
Aldrin	5.79	5.74	5.84
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.71	7.64	7.78
4,4'-DDD	7.80	7.73	7.87
Endosulfan II	7.95	7.88	8.02
4,4'-DDT	8.16	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.55	8.48	8.62
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.38	2.33	2.43
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705446.D  
Report Date: 13-Aug-2012 12:50

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705446.D  
Lab Smp Id: PESTL3\_00013  
Inj Date : 13-AUG-2012 12:19  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08Wf8081.m  
Meth Date : 13-Aug-2012 12:50 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	( ug/L )	CAL-AMT	ON-COL	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
2.383	2.383	0.000	414601	100.000	99	80.00-	120.00	100.00	
-----									
2 alpha-BHC				CAS #: 319-84-6					
3.487	3.487	0.000	599589	100.000	100	80.00-	120.00	100.00	
-----									
5 gamma-BHC (Lindane)				CAS #: 58-89-9					
4.207	4.207	0.000	551553	100.000	100	80.00-	120.00	100.00	
-----									
3 beta-BHC				CAS #: 319-85-7					
4.360	4.360	0.000	268305	100.000	100	80.00-	120.00	100.00	
-----									
4 delta-BHC				CAS #: 319-86-8					
4.950	4.950	0.000	517885	100.000	100	80.00-	120.00	100.00	
-----									

Data File: WF705446.D  
Report Date: 13-Aug-2012 12:50

RT	EXP RT	DLT RT	AMOUNTS				
			CAL-AMT		ON-COL		
			RESPONSE ( ug/L)	( ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
5.100	5.100	0.000	526976	100.000	100	80.00- 120.00	100.00
-----							
1 Aldrin			CAS #:	309-00-2			
5.787	5.787	0.000	522598	100.000	100	80.00- 120.00	100.00
-----							
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.640	6.640	0.000	379909	100.000	100	80.00- 120.00	100.00
-----							
65 gamma-Chlordane			CAS #:	5103-74-2			
6.837	6.837	0.000	383091	100.000	100	80.00- 120.00	100.00
-----							
66 alpha-Chlordane			CAS #:	5103-71-9			
6.993	6.993	0.000	359120	100.000	100	80.00- 120.00	100.00
-----							
11 Endosulfan I			CAS #:	959-98-8			
7.063	7.063	0.000	356711	100.000	100	80.00- 120.00	100.00
-----							
8 4,4'-DDE			CAS #:	72-55-9			
7.150	7.150	0.000	370746	100.000	100	80.00- 120.00	100.00
-----							
10 Dieldrin			CAS #:	60-57-1			
7.363	7.363	0.000	375089	100.000	100	80.00- 120.00	100.00
-----							
14 Endrin			CAS #:	72-20-8			
7.707	7.707	0.000	326960	100.000	100	80.00- 120.00	100.00
-----							
7 4,4'-DDD			CAS #:	72-54-8			
7.797	7.797	0.000	308791	100.000	100	80.00- 120.00	100.00
-----							
12 Endosulfan II			CAS #:	33213-65-9			
7.947	7.947	0.000	322910	100.000	100	80.00- 120.00	100.00
-----							
9 4,4'-DDT			CAS #:	50-29-3			
8.157	8.157	0.000	302571	100.000	100	80.00- 120.00	100.00
-----							
15 Endrin aldehyde			CAS #:	7421-93-4			
8.310	8.310	0.000	234325	100.000	100	80.00- 120.00	100.00
-----							
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.547	8.547	0.000	236545	100.000	95	80.00- 120.00	100.00
-----							
19 Methoxychlor			CAS #:	72-43-5			
8.730	8.730	0.000	136193	100.000	110	80.00- 120.00	100.00
-----							
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	262694	100.000	93	80.00- 120.00	100.00
-----							

Data File: WF705446.D  
Report Date: 13-Aug-2012 12:50

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
9.940	9.940	0.000	273048	100.000	97	80.00- 120.00	100.00

---

Data File: WF705446.D

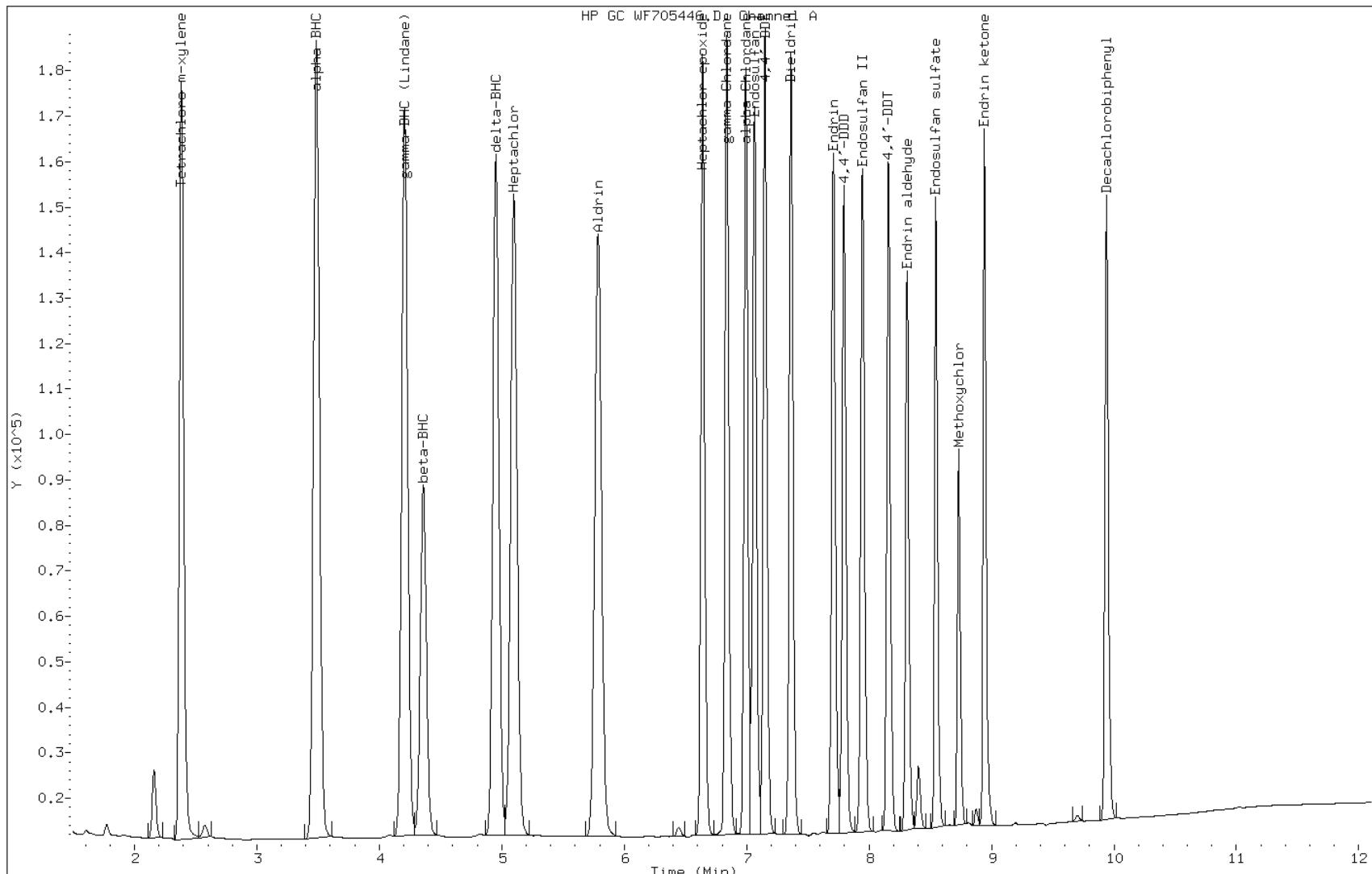
Date: 13-AUG-2012 12:19

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-123769/26 Calibration Date: 08/13/2012 12:19

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705446.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5575		101	100	1.3	15.0
gamma-BHC (Lindane)	Ave	5222	5305		102	100	1.6	15.0
beta-BHC	Ave	2548	2514		98.7	100	-1.3	15.0
delta-BHC	Ave	4881	4925		101	100	0.9	15.0
Heptachlor	Ave	4507	4911		109	100	9.0	15.0
Aldrin	Ave	4602	4835		105	100	5.1	15.0
Heptachlor epoxide	Ave	4316	4505		104	100	4.4	15.0
gamma-Chlordane	Ave	4514	4686		104	100	3.8	15.0
alpha-Chlordane	Ave	4288	4420		103	100	3.1	15.0
4,4'-DDE	Ave	4020	4265		106	100	6.1	15.0
Endosulfan I	Ave	3839	4032		105	100	5.0	15.0
Dieldrin	Ave	3937	4107		104	100	4.3	15.0
Endrin	Ave	3239	3414		105	100	5.4	15.0
4,4'-DDD	Ave	3230	3400		105	100	5.3	15.0
Endosulfan II	Ave	3388	3421		101	100	1.0	15.0
4,4'-DDT	Ave	3237	3469		107	100	7.2	15.0
Endrin aldehyde	Ave	2689	2837		105	100	5.5	15.0
Methoxychlor	Ave	1513	1720		114	100	13.7	15.0
Endosulfan sulfate	Ave	3012	2992		99.3	100	-0.7	15.0
Endrin ketone	Ave	3203	3205		100	100	0.0	15.0
Tetrachloro-m-xylene	Ave	4172	4097		98.2	100	-1.8	15.0
DCB Decachlorobiphenyl	Ave	2853	2786		97.7	100	-2.3	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-123769/26 Calibration Date: 08/13/2012 12:19

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705446.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.93	2.88	2.98
beta-BHC	3.09	3.04	3.14
delta-BHC	3.41	3.36	3.46
Heptachlor	3.79	3.74	3.84
Aldrin	4.34	4.29	4.39
Heptachlor epoxide	5.46	5.39	5.53
gamma-Chlordane	5.70	5.63	5.77
alpha-Chlordane	5.96	5.89	6.03
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.73	6.66	6.80
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.39	7.32	7.46
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.86	7.79	7.93
Endrin ketone	8.17	8.10	8.24
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705446.D  
Lab Smp Id: PESTL3\_00013  
Inj Date : 13-AUG-2012 12:19  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	( ug/L)	( ug/L)	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
1.897	1.897	0.000	409679 100.000	98	80.00- 120.00	100.00(a)			
-----									
2 alpha-BHC					CAS #: 319-84-6				
2.450	2.450	0.000	557510 100.000	100	80.00- 120.00	100.00(a)			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.930	2.930	0.000	530544 100.000	100	80.00- 120.00	100.00(a)			
-----									
3 beta-BHC					CAS #: 319-85-7				
3.093	3.093	0.000	251434 100.000	99	80.00- 120.00	100.00(a)			
-----									
4 delta-BHC					CAS #: 319-86-8				
3.407	3.407	0.000	492489 100.000	100	80.00- 120.00	100.00(a)			
-----									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO
			CAL-AMT	ON-COL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor				CAS #: 76-44-8		
3.793	3.793	0.000	491144	100.000	110 80.00- 120.00	100.00(a)
1 Aldrin				CAS #: 309-00-2		
4.337	4.337	0.000	483491	100.000	100 80.00- 120.00	100.00(a)
18 Heptachlor epoxide				CAS #: 1024-57-3		
5.457	5.457	0.000	450451	100.000	100 80.00- 120.00	100.00(a)
65 gamma-Chlordane				CAS #: 5103-74-2		
5.703	5.703	0.000	468620	100.000	100 80.00- 120.00	100.00(a)
66 alpha-Chlordane				CAS #: 5103-71-9		
5.963	5.963	0.000	441967	100.000	100 80.00- 120.00	100.00(a)
8 4,4'-DDE				CAS #: 72-55-9		
6.090	6.090	0.000	426520	100.000	110 80.00- 120.00	100.00(a)
11 Endosulfan I				CAS #: 959-98-8		
6.183	6.183	0.000	403164	100.000	100 80.00- 120.00	100.00(a)
10 Dieldrin				CAS #: 60-57-1		
6.483	6.483	0.000	410737	100.000	100 80.00- 120.00	100.00(a)
14 Endrin				CAS #: 72-20-8		
6.727	6.727	0.000	341405	100.000	100 80.00- 120.00	100.00(a)
7 4,4'-DDD				CAS #: 72-54-8		
6.790	6.790	0.000	339990	100.000	100 80.00- 120.00	100.00(a)
12 Endosulfan II				CAS #: 33213-65-9		
6.950	6.950	0.000	342092	100.000	100 80.00- 120.00	100.00(a)
9 4,4'-DDT				CAS #: 50-29-3		
7.073	7.073	0.000	346917	100.000	110 80.00- 120.00	100.00(a)
15 Endrin aldehyde				CAS #: 7421-93-4		
7.387	7.387	0.000	283678	100.000	100 80.00- 120.00	100.00(a)
19 Methoxychlor				CAS #: 72-43-5		
7.583	7.583	0.000	171991	100.000	110 80.00- 120.00	100.00(a)
13 Endosulfan sulfate				CAS #: 1031-07-8		
7.860	7.860	0.000	299169	100.000	99 80.00- 120.00	100.00(a)
16 Endrin ketone				CAS #: 53494-70-5		
8.167	8.167	0.000	320518	100.000	100 80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)		278568	100.000	98	80.00- 120.00	100.00(a)

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).

Data File: WR705446.D

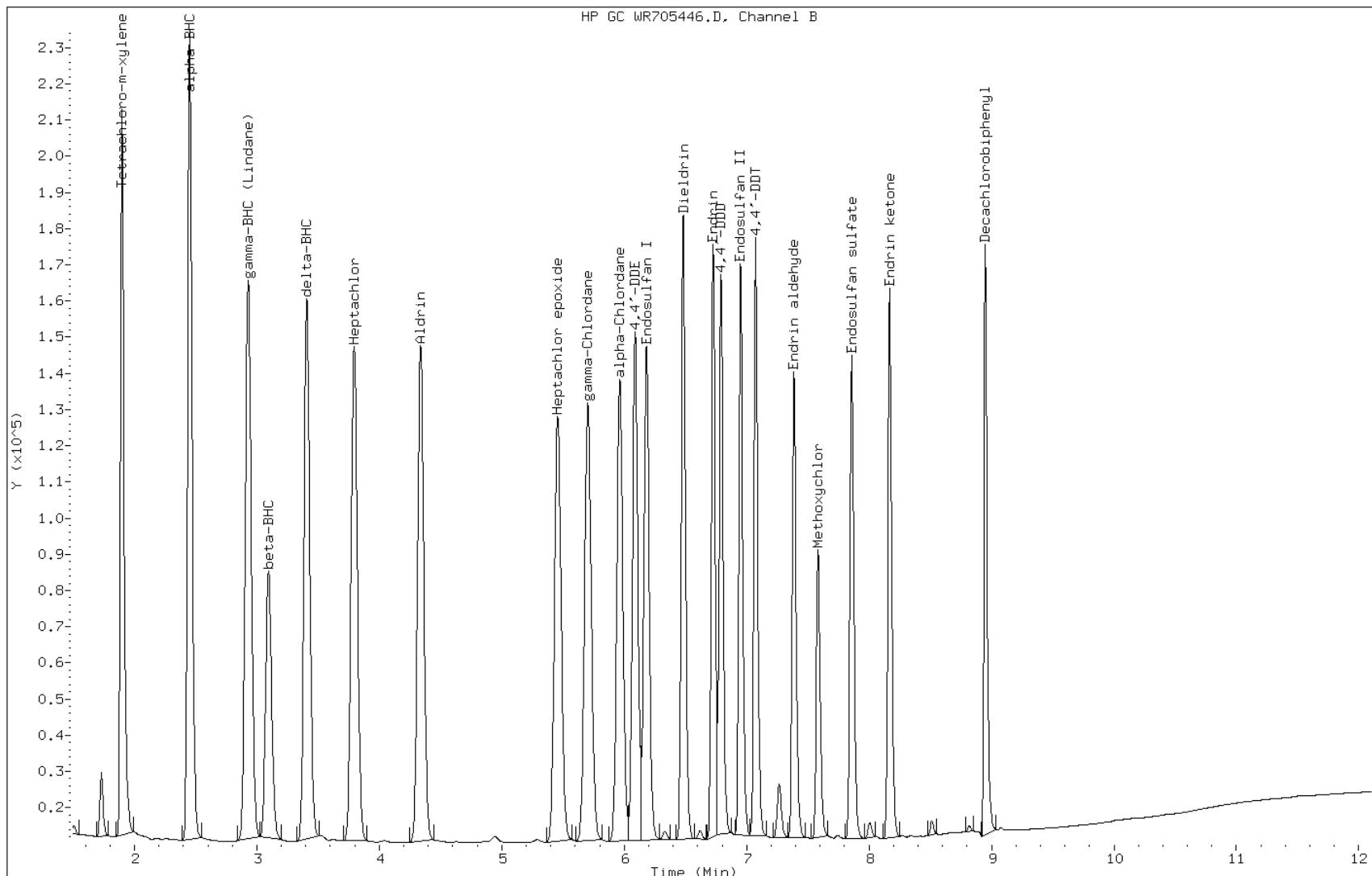
Date: 13-AUG-2012 12:19

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-123908/2 Calibration Date: 08/13/2012 18:51

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705473.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	5746		99.1	100	-0.9	15.0
gamma-BHC (Lindane)	Ave	5362	5277		98.4	100	-1.6	15.0
beta-BHC	Ave	2585	2573		99.5	100	-0.5	15.0
delta-BHC	Ave	5052	4954		98.1	100	-1.9	15.0
Heptachlor	Ave	5095	4893		96.0	100	-4.0	15.0
Aldrin	Ave	5058	4935		97.6	100	-2.4	15.0
Heptachlor epoxide	Ave	3773	3592		95.2	100	-4.8	15.0
gamma-Chlordane	Ave	3763	3589		95.4	100	-4.6	15.0
alpha-Chlordane	Ave	3548	3364		94.8	100	-5.2	15.0
Endosulfan I	Ave	3502	3306		94.4	100	-5.6	15.0
4,4'-DDE	Ave	3643	3467		95.2	100	-4.8	15.0
Dieldrin	Ave	3717	3509		94.4	100	-5.6	15.0
Endrin	Ave	3222	2916		90.5	100	-9.5	15.0
4,4"-DDD	Ave	2920	2836		97.1	100	-2.9	15.0
Endosulfan II	Ave	3219	2946		91.5	100	-8.5	15.0
4,4'-DDT	Ave	2995	2706		90.3	100	-9.7	15.0
Endrin aldehyde	Ave	2319	2179		93.9	100	-6.1	15.0
Endosulfan sulfate	Ave	2495	2123		85.1	100	-14.9	15.0
Methoxychlor	Ave	1242	1264		102	100	1.8	15.0
Endrin ketone	Ave	2823	2403		85.1	100	-14.9	15.0
Tetrachloro-m-xylene	Ave	4200	3991		95.0	100	-5.0	15.0
DCB Decachlorobiphenyl	Ave	2804	2431		86.7	100	-13.3	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-123908/2 Calibration Date: 08/13/2012 18:51

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705473.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.49	3.44	3.54
gamma-BHC (Lindane)	4.21	4.16	4.26
beta-BHC	4.36	4.31	4.41
delta-BHC	4.95	4.90	5.00
Heptachlor	5.10	5.05	5.15
Aldrin	5.79	5.74	5.84
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.71	7.64	7.78
4,4'-DDD	7.79	7.72	7.86
Endosulfan II	7.94	7.88	8.02
4,4'-DDT	8.16	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.54	8.47	8.61
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.38	2.34	2.44
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705473.D  
Report Date: 14-Aug-2012 08:32

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/WF705473.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 13-AUG-2012 18:51  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/08Wf8081.m  
Meth Date : 14-Aug-2012 08:32 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	( ug/L)	( ug/L)	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.383	2.383	0.000	399094 100.000	95	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.487	3.487	0.000	574597 100.000	99	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.207	4.207	0.000	527704 100.000	98	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
4.360	4.360	0.000	257266 100.000	100	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
4.953	4.953	0.000	495446 100.000	98	80.00- 120.00	100.00			
-----									

Data File: WF705473.D  
Report Date: 14-Aug-2012 08:32

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
17 Heptachlor			CAS #: 76-44-8				
5.100	5.100	0.000	489275 100.000	96	80.00- 120.00	100.00	
1 Aldrin			CAS #: 309-00-2				
5.787	5.787	0.000	493529 100.000	98	80.00- 120.00	100.00	
18 Heptachlor epoxide			CAS #: 1024-57-3				
6.640	6.640	0.000	359228 100.000	95	80.00- 120.00	100.00	
65 gamma-Chlordane			CAS #: 5103-74-2				
6.837	6.837	0.000	358913 100.000	95	80.00- 120.00	100.00	
66 alpha-Chlordane			CAS #: 5103-71-9				
6.993	6.993	0.000	336433 100.000	95	80.00- 120.00	100.00	
11 Endosulfan I			CAS #: 959-98-8				
7.063	7.063	0.000	330644 100.000	94	80.00- 120.00	100.00	
8 4,4'-DDE			CAS #: 72-55-9				
7.150	7.150	0.000	346719 100.000	95	80.00- 120.00	100.00	
10 Dieldrin			CAS #: 60-57-1				
7.360	7.360	0.000	350923 100.000	94	80.00- 120.00	100.00	
14 Endrin			CAS #: 72-20-8				
7.707	7.707	0.000	291641 100.000	90	80.00- 120.00	100.00	
7 4,4'-DDD			CAS #: 72-54-8				
7.793	7.793	0.000	283569 100.000	97	80.00- 120.00	100.00	
12 Endosulfan II			CAS #: 33213-65-9				
7.943	7.943	0.000	294626 100.000	92	80.00- 120.00	100.00	
9 4,4'-DDT			CAS #: 50-29-3				
8.157	8.157	0.000	270575 100.000	90	80.00- 120.00	100.00	
15 Endrin aldehyde			CAS #: 7421-93-4				
8.310	8.310	0.000	217860 100.000	94	80.00- 120.00	100.00	
13 Endosulfan sulfate			CAS #: 1031-07-8				
8.543	8.543	0.000	212294 100.000	85	80.00- 120.00	100.00	
19 Methoxychlor			CAS #: 72-43-5				
8.730	8.730	0.000	126373 100.000	100	80.00- 120.00	100.00	
16 Endrin ketone			CAS #: 53494-70-5				
8.940	8.940	0.000	240312 100.000	85	80.00- 120.00	100.00	

Data File: WF705473.D  
Report Date: 14-Aug-2012 08:32

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO
			CAL-AMT	ON-COL		
			=====	=====		
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3		
9.940	9.940	0.000	243054	100.000	87 80.00- 120.00	100.00

-----

Data File: WF705473.D

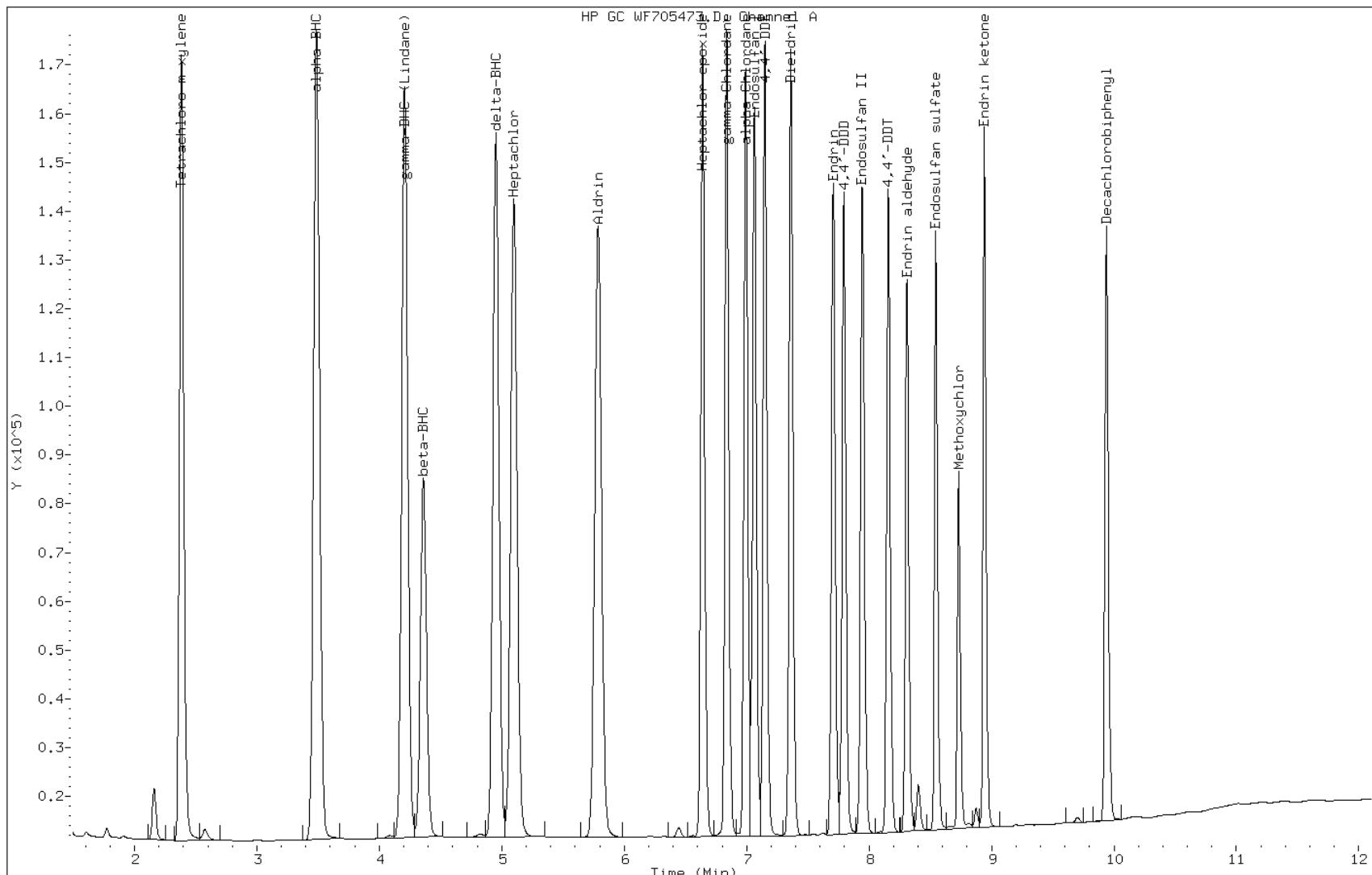
Date: 13-AUG-2012 18:51

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-123908/2 Calibration Date: 08/13/2012 18:51

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705473.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5305		96.4	100	-3.6	15.0
gamma-BHC (Lindane)	Ave	5222	5044		96.6	100	-3.4	15.0
beta-BHC	Ave	2548	2398		94.1	100	-5.9	15.0
delta-BHC	Ave	4881	4748		97.3	100	-2.7	15.0
Heptachlor	Ave	4507	4583		102	100	1.7	15.0
Aldrin	Ave	4602	4585		99.7	100	-0.3	15.0
Heptachlor epoxide	Ave	4316	4255		98.6	100	-1.4	15.0
gamma-Chlordane	Ave	4514	4450		98.6	100	-1.4	15.0
alpha-Chlordane	Ave	4288	4191		97.7	100	-2.3	15.0
4,4'-DDE	Ave	4020	3976		98.9	100	-1.1	15.0
Endosulfan I	Ave	3839	3831		99.8	100	-0.2	15.0
Dieldrin	Ave	3937	3873		98.4	100	-1.6	15.0
Endrin	Ave	3239	3191		98.5	100	-1.5	15.0
4,4'-DDD	Ave	3230	3314		103	100	2.6	15.0
Endosulfan II	Ave	3388	3285		96.9	100	-3.1	15.0
4,4'-DDT	Ave	3237	3266		101	100	0.9	15.0
Endrin aldehyde	Ave	2689	2737		102	100	1.8	15.0
Methoxychlor	Ave	1513	1620		107	100	7.1	15.0
Endosulfan sulfate	Ave	3012	2779		92.3	100	-7.7	15.0
Endrin ketone	Ave	3203	3101		96.8	100	-3.2	15.0
Tetrachloro-m-xylene	Ave	4172	3947		94.6	100	-5.4	15.0
DCB Decachlorobiphenyl	Ave	2853	2726		95.5	100	-4.5	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVRT 460-123908/2 Calibration Date: 08/13/2012 18:51  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WR705473.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.93	2.88	2.98
beta-BHC	3.10	3.05	3.15
delta-BHC	3.41	3.36	3.46
Heptachlor	3.80	3.75	3.85
Aldrin	4.34	4.29	4.39
Heptachlor epoxide	5.46	5.39	5.53
gamma-Chlordane	5.70	5.64	5.78
alpha-Chlordane	5.96	5.90	6.04
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.73	6.66	6.80
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.39	7.32	7.46
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.86	7.79	7.93
Endrin ketone	8.17	8.10	8.24
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/WR705473.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 13-AUG-2012 18:51  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/08Wr8081.m  
Meth Date : 14-Aug-2012 08:30 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS						
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8		
1.900	1.900	0.000	394653	100.000	94 80.00- 120.00	100.00
-----						
2 alpha-BHC				CAS #: 319-84-6		
2.453	2.453	0.000	530463	100.000	96 80.00- 120.00	100.00
-----						
5 gamma-BHC (Lindane)				CAS #: 58-89-9		
2.930	2.933	-0.003	504423	100.000	96 80.00- 120.00	100.00
-----						
3 beta-BHC				CAS #: 319-85-7		
3.097	3.100	-0.003	239811	100.000	94 80.00- 120.00	100.00
-----						
4 delta-BHC				CAS #: 319-86-8		
3.410	3.413	-0.003	474769	100.000	97 80.00- 120.00	100.00
-----						

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO	
			CAL-AMT	ON-COL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor				CAS #: 76-44-8			
3.797	3.800	-0.003	458349	100.000	100	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2			
4.340	4.343	-0.003	458545	100.000	100	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3			
5.457	5.460	-0.003	425455	100.000	98	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2			
5.703	5.707	-0.004	444956	100.000	98	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9			
5.963	5.967	-0.004	419061	100.000	98	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9			
6.090	6.090	0.000	397578	100.000	99	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8			
6.183	6.183	0.000	383066	100.000	100	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1			
6.480	6.483	-0.003	387297	100.000	98	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8			
6.727	6.727	0.000	319073	100.000	98	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8			
6.790	6.790	0.000	331364	100.000	100	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9			
6.950	6.950	0.000	328464	100.000	97	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3			
7.073	7.073	0.000	326645	100.000	100	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4			
7.387	7.387	0.000	273700	100.000	100	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5			
7.583	7.583	0.000	161951	100.000	110	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8			
7.857	7.857	0.000	277881	100.000	92	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5			
8.167	8.167	0.000	310065	100.000	97	80.00- 120.00	100.00

Data File: WR705473.D  
Report Date: 14-Aug-2012 08:33

Page 3

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 30	Decachlorobiphenyl(surr)					CAS #: 2051-24-3			
8.947	8.947	0.000			272558	100.000	96 80.00- 120.00	100.00	

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Data File: WR705473.D

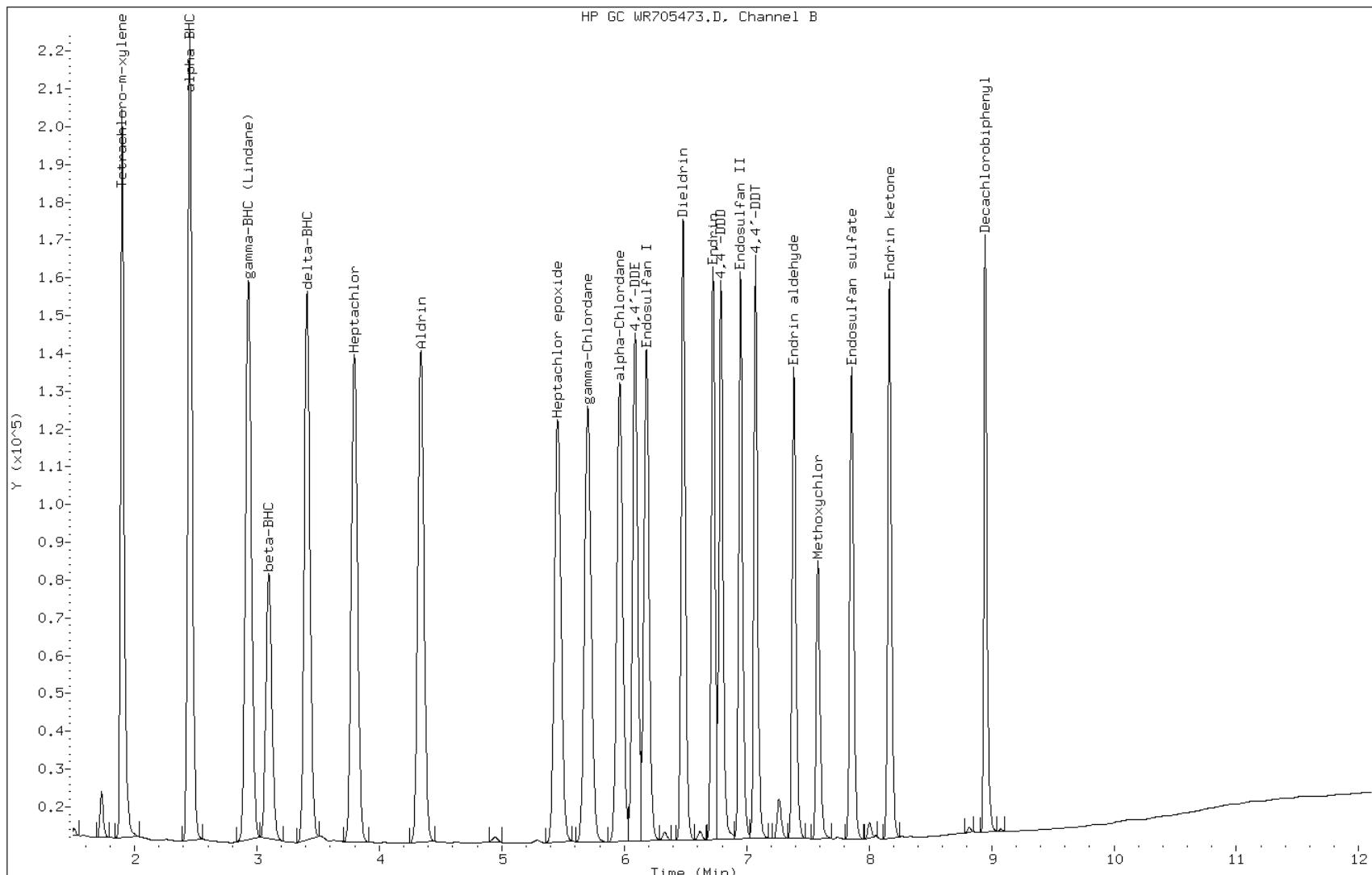
Date: 13-AUG-2012 18:51

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-123908/22 Calibration Date: 08/13/2012 23:29

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705493.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	5680		98.0	100	-2.0	15.0
gamma-BHC (Lindane)	Ave	5362	5205		97.1	100	-2.9	15.0
beta-BHC	Ave	2585	2526		97.7	100	-2.3	15.0
delta-BHC	Ave	5052	4968		98.3	100	-1.7	15.0
Heptachlor	Ave	5095	4882		95.8	100	-4.2	15.0
Aldrin	Ave	5058	4899		96.9	100	-3.1	15.0
Heptachlor epoxide	Ave	3773	3554		94.2	100	-5.8	15.0
gamma-Chlordane	Ave	3763	3537		94.0	100	-6.0	15.0
alpha-Chlordane	Ave	3548	3339		94.1	100	-5.9	15.0
Endosulfan I	Ave	3502	3286		93.8	100	-6.2	15.0
4,4'-DDE	Ave	3643	3435		94.3	100	-5.7	15.0
Dieldrin	Ave	3717	3493		94.0	100	-6.0	15.0
Endrin	Ave	3222	2915		90.5	100	-9.5	15.0
4,4"-DDD	Ave	2920	2907		99.5	100	-0.5	15.0
Endosulfan II	Ave	3219	2965		92.1	100	-7.9	15.0
4,4'-DDT	Ave	2995	2597		86.7	100	-13.3	15.0
Endrin aldehyde	Ave	2319	2210		95.3	100	-4.7	15.0
Endosulfan sulfate	Ave	2495	2180		87.4	100	-12.6	15.0
Methoxychlor	Ave	1242	1162		93.5	100	-6.5	15.0
Endrin ketone	Ave	2823	2491		88.2	100	-11.8	15.0
Tetrachloro-m-xylene	Ave	4200	3835		91.3	100	-8.7	15.0
DCB Decachlorobiphenyl	Ave	2804	2470		88.1	100	-11.9	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 460-123908/22 Calibration Date: 08/13/2012 23:29  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705493.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.49	3.44	3.54
gamma-BHC (Lindane)	4.21	4.16	4.26
beta-BHC	4.36	4.31	4.41
delta-BHC	4.95	4.90	5.00
Heptachlor	5.10	5.05	5.15
Aldrin	5.79	5.74	5.84
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.71	7.64	7.78
4,4'-DDD	7.79	7.72	7.86
Endosulfan II	7.95	7.88	8.02
4,4'-DDT	8.16	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.54	8.47	8.61
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.39	2.34	2.44
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705493.D  
Report Date: 14-Aug-2012 08:34

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/WF705493.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 13-AUG-2012 23:29  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12c.b/08Wf8081.m  
Meth Date : 14-Aug-2012 08:34 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.387	2.387	0.000	383542	100.000	91	80.00-	120.00	100.00	
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.490	3.490	0.000	567961	100.000	98	80.00-	120.00	100.00	
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.210	4.210	0.000	520542	100.000	97	80.00-	120.00	100.00	
-----									
3 beta-BHC					CAS #: 319-85-7				
4.363	4.363	0.000	252606	100.000	98	80.00-	120.00	100.00	
-----									
4 delta-BHC					CAS #: 319-86-8				
4.953	4.953	0.000	496828	100.000	98	80.00-	120.00	100.00	
-----									

Data File: WF705493.D  
Report Date: 14-Aug-2012 08:34

RT	EXP RT	DLT RT	AMOUNTS				
			CAL-AMT		ON-COL		
			RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #: 76-44-8				
5.100	5.100	0.000	488227	100.000	96	80.00- 120.00	100.00
-----							
1 Aldrin			CAS #: 309-00-2				
5.790	5.790	0.000	489928	100.000	97	80.00- 120.00	100.00
-----							
18 Heptachlor epoxide			CAS #: 1024-57-3				
6.640	6.640	0.000	355386	100.000	94	80.00- 120.00	100.00
-----							
65 gamma-Chlordane			CAS #: 5103-74-2				
6.837	6.837	0.000	353694	100.000	94	80.00- 120.00	100.00
-----							
66 alpha-Chlordane			CAS #: 5103-71-9				
6.993	6.993	0.000	333870	100.000	94	80.00- 120.00	100.00
-----							
11 Endosulfan I			CAS #: 959-98-8				
7.063	7.063	0.000	328594	100.000	94	80.00- 120.00	100.00
-----							
8 4,4'-DDE			CAS #: 72-55-9				
7.150	7.150	0.000	343488	100.000	94	80.00- 120.00	100.00
-----							
10 Dieldrin			CAS #: 60-57-1				
7.360	7.360	0.000	349308	100.000	94	80.00- 120.00	100.00
-----							
14 Endrin			CAS #: 72-20-8				
7.707	7.707	0.000	291502	100.000	90	80.00- 120.00	100.00
-----							
7 4,4'-DDD			CAS #: 72-54-8				
7.793	7.793	0.000	290674	100.000	100	80.00- 120.00	100.00
-----							
12 Endosulfan II			CAS #: 33213-65-9				
7.947	7.947	0.000	296459	100.000	92	80.00- 120.00	100.00
-----							
9 4,4'-DDT			CAS #: 50-29-3				
8.157	8.157	0.000	259652	100.000	87	80.00- 120.00	100.00
-----							
15 Endrin aldehyde			CAS #: 7421-93-4				
8.310	8.310	0.000	220990	100.000	95	80.00- 120.00	100.00
-----							
13 Endosulfan sulfate			CAS #: 1031-07-8				
8.543	8.543	0.000	218012	100.000	87	80.00- 120.00	100.00
-----							
19 Methoxychlor			CAS #: 72-43-5				
8.730	8.730	0.000	116172	100.000	94	80.00- 120.00	100.00
-----							
16 Endrin ketone			CAS #: 53494-70-5				
8.940	8.940	0.000	249124	100.000	88	80.00- 120.00	100.00
-----							

Data File: WF705493.D  
Report Date: 14-Aug-2012 08:34

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
9.937	9.937	0.000	247019	100.000	88	80.00- 120.00	100.00

Data File: WF705493.D

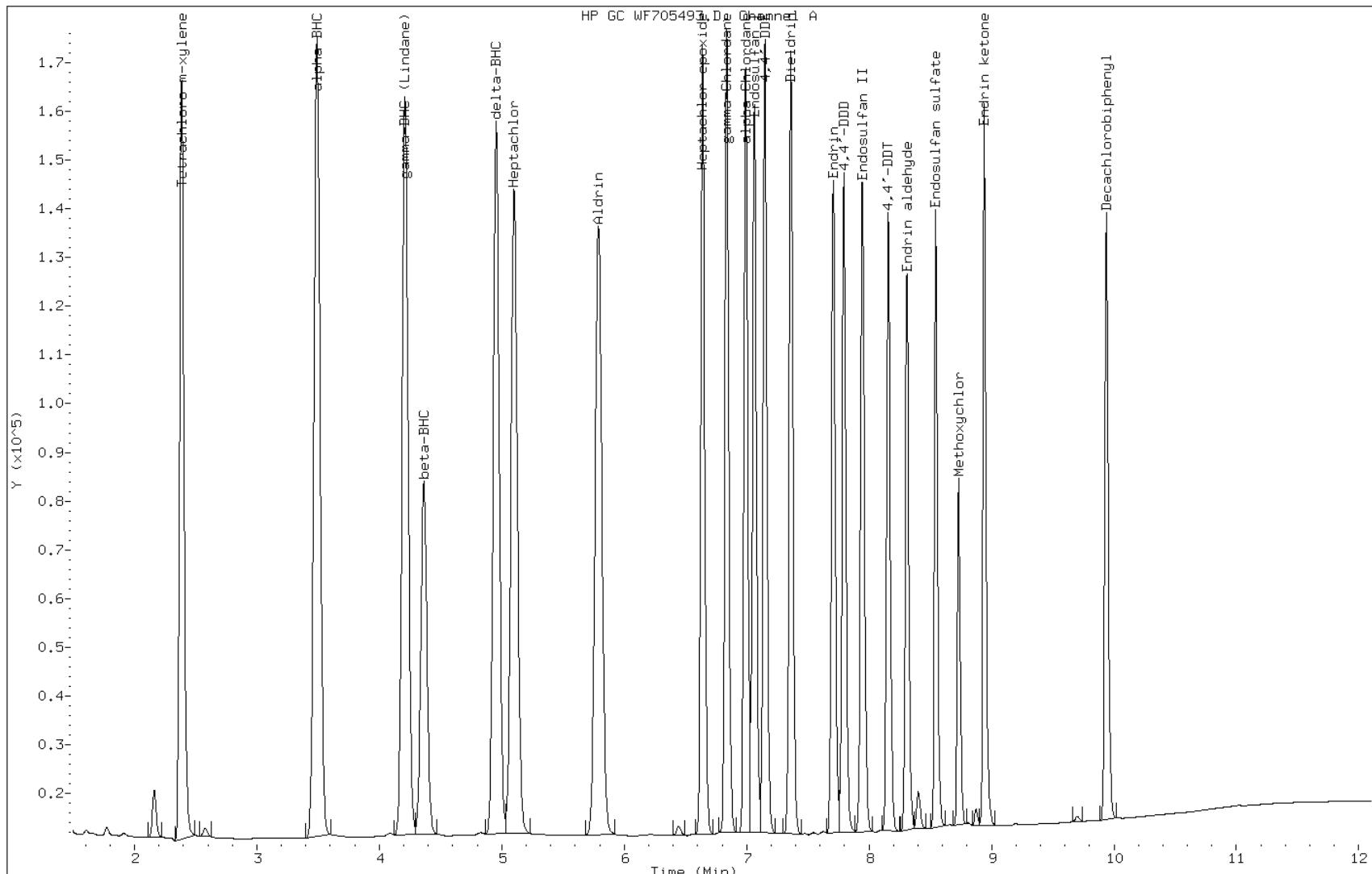
Date: 13-AUG-2012 23:29

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-123908/22 Calibration Date: 08/13/2012 23:29

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705493.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5302		96.3	100	-3.7	15.0
gamma-BHC (Lindane)	Ave	5222	5021		96.1	100	-3.9	15.0
beta-BHC	Ave	2548	2386		93.6	100	-6.4	15.0
delta-BHC	Ave	4881	4736		97.0	100	-3.0	15.0
Heptachlor	Ave	4507	4568		101	100	1.3	15.0
Aldrin	Ave	4602	4577		99.5	100	-0.5	15.0
Heptachlor epoxide	Ave	4316	4254		98.6	100	-1.4	15.0
gamma-Chlordane	Ave	4514	4442		98.4	100	-1.6	15.0
alpha-Chlordane	Ave	4288	4174		97.3	100	-2.7	15.0
4,4'-DDE	Ave	4020	3991		99.3	100	-0.7	15.0
Endosulfan I	Ave	3839	3798		98.9	100	-1.1	15.0
Dieldrin	Ave	3937	3864		98.1	100	-1.9	15.0
Endrin	Ave	3239	3158		97.5	100	-2.5	15.0
4,4'-DDD	Ave	3230	3338		103	100	3.4	15.0
Endosulfan II	Ave	3388	3274		96.6	100	-3.4	15.0
4,4'-DDT	Ave	3237	3118		96.3	100	-3.7	15.0
Endrin aldehyde	Ave	2689	2729		101	100	1.5	15.0
Methoxychlor	Ave	1513	1560		103	100	3.2	15.0
Endosulfan sulfate	Ave	3012	2816		93.5	100	-6.5	15.0
Endrin ketone	Ave	3203	3165		98.8	100	-1.2	15.0
Tetrachloro-m-xylene	Ave	4172	3919		93.9	100	-6.1	15.0
DCB Decachlorobiphenyl	Ave	2853	2656		93.1	100	-6.9	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 460-123908/22 Calibration Date: 08/13/2012 23:29  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WR705493.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.93	2.88	2.98
beta-BHC	3.10	3.05	3.15
delta-BHC	3.41	3.36	3.46
Heptachlor	3.80	3.75	3.85
Aldrin	4.34	4.29	4.39
Heptachlor epoxide	5.46	5.39	5.53
gamma-Chlordane	5.71	5.64	5.78
alpha-Chlordane	5.97	5.90	6.04
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.73	6.66	6.80
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.39	7.32	7.46
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.86	7.79	7.93
Endrin ketone	8.17	8.10	8.24
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/WR705493.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 13-AUG-2012 23:29  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b/08Wr8081.m  
Meth Date : 14-Aug-2012 08:30 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	( ug/L)	( ug/L)	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
1.900	1.900	0.000	391947 100.000	94	80.00- 120.00	100.00			
-----									
2 alpha-BHC					CAS #: 319-84-6				
2.453	2.453	0.000	530198 100.000	96	80.00- 120.00	100.00			
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.933	2.933	0.000	502055 100.000	96	80.00- 120.00	100.00			
-----									
3 beta-BHC					CAS #: 319-85-7				
3.100	3.100	0.000	238586 100.000	94	80.00- 120.00	100.00			
-----									
4 delta-BHC					CAS #: 319-86-8				
3.413	3.413	0.000	473595 100.000	97	80.00- 120.00	100.00			
-----									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO	
			CAL-AMT	ON-COL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor				CAS #: 76-44-8			
3.800	3.800	0.000	456803	100.000	100	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2			
4.343	4.343	0.000	457746	100.000	99	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3			
5.460	5.460	0.000	425410	100.000	98	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2			
5.707	5.707	0.000	444240	100.000	98	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9			
5.967	5.967	0.000	417446	100.000	97	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9			
6.090	6.090	0.000	399076	100.000	99	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8			
6.183	6.183	0.000	379792	100.000	99	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1			
6.483	6.483	0.000	386383	100.000	98	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8			
6.727	6.727	0.000	315784	100.000	97	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8			
6.790	6.790	0.000	333849	100.000	100	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9			
6.950	6.950	0.000	327393	100.000	97	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3			
7.073	7.073	0.000	311812	100.000	96	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4			
7.387	7.387	0.000	272871	100.000	100	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5			
7.583	7.583	0.000	156044	100.000	100	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8			
7.857	7.857	0.000	281599	100.000	93	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5			
8.167	8.167	0.000	316548	100.000	99	80.00- 120.00	100.00

Data File: WR705493.D  
Report Date: 14-Aug-2012 08:34

Page 3

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
8.947	8.947	0.000	265579	100.000	93	80.00- 120.00	100.00

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Data File: WR705493.D

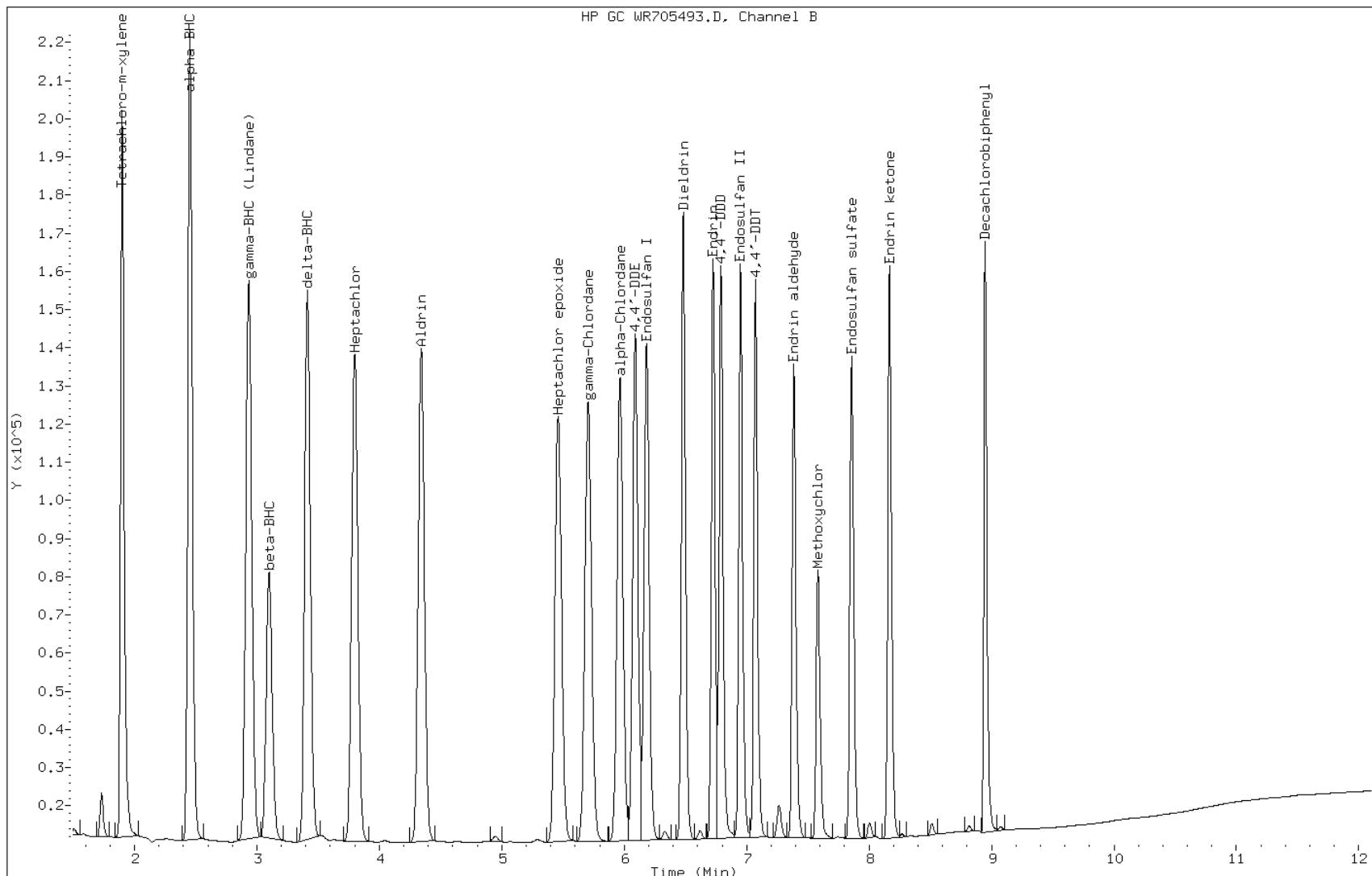
Date: 13-AUG-2012 23:29

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-124316/7 Calibration Date: 08/16/2012 08:11

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705666.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	5981		103	100	3.2	15.0
gamma-BHC (Lindane)	Ave	5362	5442		101	100	1.5	15.0
beta-BHC	Ave	2585	2600		101	100	0.6	15.0
delta-BHC	Ave	5052	5044		99.8	100	-0.2	15.0
Heptachlor	Ave	5095	3423		67.2	100	-32.8*	15.0
Aldrin	Ave	5058	5271		104	100	4.2	15.0
Heptachlor epoxide	Ave	3773	3837		102	100	1.7	15.0
gamma-Chlordane	Ave	3763	3860		103	100	2.6	15.0
alpha-Chlordane	Ave	3548	3653		103	100	3.0	15.0
Endosulfan I	Ave	3502	3552		101	100	1.4	15.0
4,4'-DDE	Ave	3643	3709		102	100	1.8	15.0
Dieldrin	Ave	3717	3859		104	100	3.8	15.0
Endrin	Ave	3222	3155		97.9	100	-2.1	15.0
4,4"-DDD	Ave	2920	2539		87.0	100	-13.0	15.0
Endosulfan II	Ave	3219	3293		102	100	2.3	15.0
4,4'-DDT	Ave	2995	2261		75.5	100	-24.5*	15.0
Endrin aldehyde	Ave	2319	2328		100	100	0.4	15.0
Endosulfan sulfate	Ave	2495	2451		98.2	100	-1.8	15.0
Methoxychlor	Ave	1242	791.7		63.7	100	-36.3*	15.0
Endrin ketone	Ave	2823	2495		88.4	100	-11.6	15.0
Tetrachloro-m-xylene	Ave	4200	4111		97.9	100	-2.1	15.0
DCB Decachlorobiphenyl	Ave	2804	2786		99.4	100	-0.6	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVRT 460-124316/7 Calibration Date: 08/16/2012 08:11  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705666.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.48	3.43	3.53
gamma-BHC (Lindane)	4.20	4.15	4.25
beta-BHC	4.36	4.30	4.40
delta-BHC	4.95	4.90	5.00
Heptachlor	5.09	5.04	5.14
Aldrin	5.78	5.73	5.83
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.70	7.64	7.78
4,4'-DDD	7.79	7.72	7.86
Endosulfan II	7.94	7.87	8.01
4,4'-DDT	8.15	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.54	8.47	8.61
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.38	2.33	2.43
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705666.D  
Report Date: 16-Aug-2012 12:56

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705666.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 16-AUG-2012 08:11  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 16-Aug-2012 12:56 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	( ug/L)	CAL-AMT	ON-COL	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
2.380	2.380	0.000	411130	100.000	98	80.00- 120.00	100.00		
<hr/>									
2 alpha-BHC									
3.483	3.483	0.000	598135	100.000	100	80.00- 120.00	100.00		
<hr/>									
5 gamma-BHC (Lindane)									
4.203	4.203	0.000	544228	100.000	100	80.00- 120.00	100.00		
<hr/>									
3 beta-BHC									
4.357	4.357	0.000	260006	100.000	100	80.00- 120.00	100.00		
<hr/>									
4 delta-BHC									
4.947	4.947	0.000	504366	100.000	100	80.00- 120.00	100.00		
<hr/>									

Data File: WF705666.D  
Report Date: 16-Aug-2012 12:56

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT		ON-COL		
			RESPONSE	( ug/L)	( ug/L)	TARGET RANGE	
17 Heptachlor			CAS #:	76-44-8			
5.093	5.093	0.000	342276	100.000	67	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
5.783	5.783	0.000	527067	100.000	100	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.637	6.637	0.000	383680	100.000	100	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
6.837	6.837	0.000	386020	100.000	100	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
6.990	6.990	0.000	365289	100.000	100	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
7.060	7.060	0.000	355236	100.000	100	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
7.147	7.147	0.000	370949	100.000	100	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
7.360	7.360	0.000	385892	100.000	100	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
7.703	7.703	0.000	315473	100.000	98	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
7.790	7.790	0.000	253942	100.000	87	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
7.943	7.943	0.000	329296	100.000	100	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
8.153	8.153	0.000	226123	100.000	75	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
8.307	8.307	0.000	232782	100.000	100	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.543	8.543	0.000	245134	100.000	98	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
8.727	8.727	0.000	79174	100.000	64	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	249482	100.000	88	80.00- 120.00	100.00

Data File: WF705666.D  
Report Date: 16-Aug-2012 12:56

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)						
9.937	9.937	0.000	278572	100.000	99	80.00- 120.00	100.00

Data File: WF705666.D

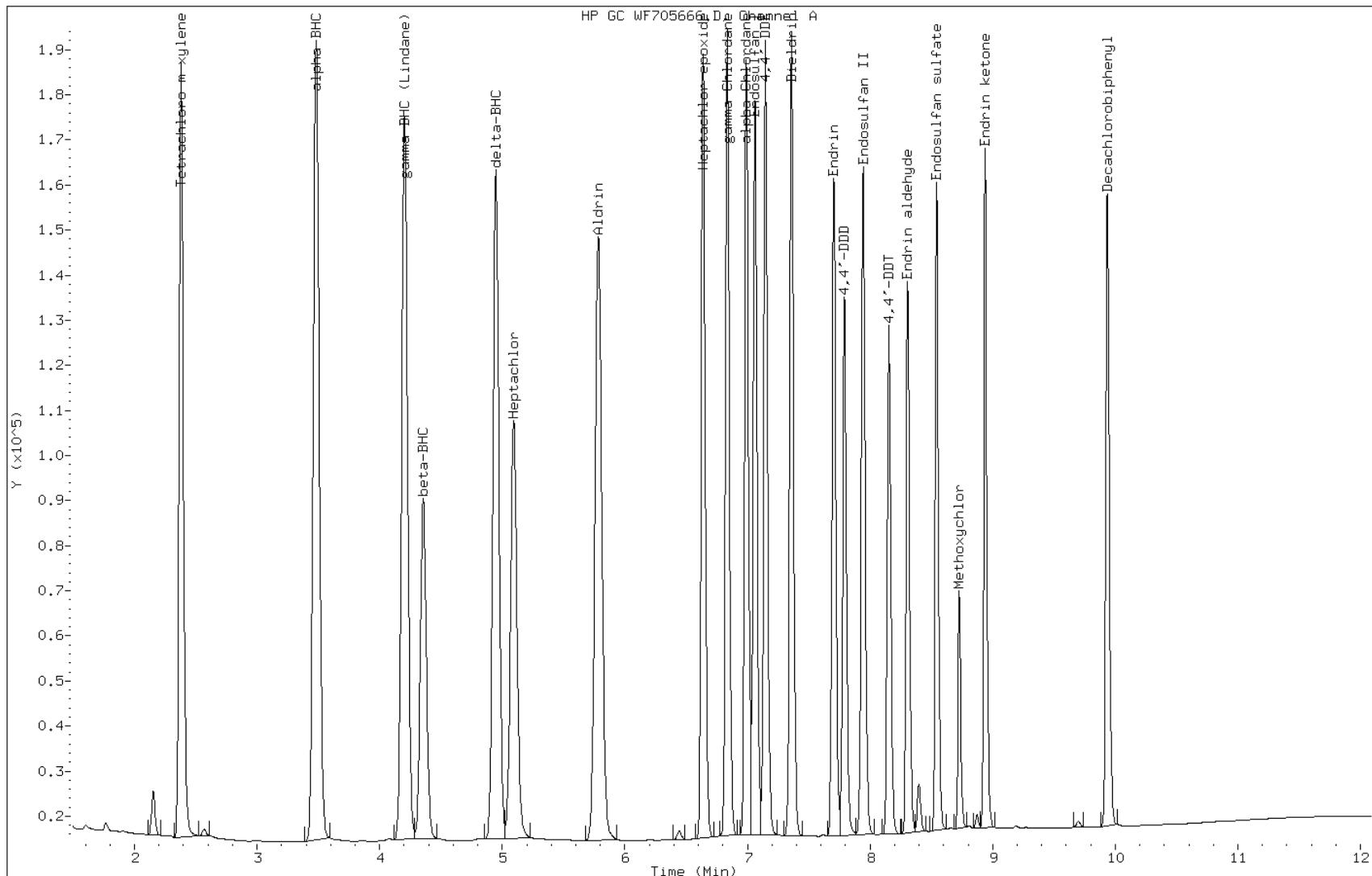
Date: 16-AUG-2012 08:11

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVRT 460-124316/7 Calibration Date: 08/16/2012 08:11

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705666.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5522		100	100	0.3	15.0
gamma-BHC (Lindane)	Ave	5222	5281		101	100	1.1	15.0
beta-BHC	Ave	2548	2497		98.0	100	-2.0	15.0
delta-BHC	Ave	4881	4796		98.3	100	-1.7	15.0
Heptachlor	Ave	4507	4832		107	100	7.2	15.0
Aldrin	Ave	4602	4753		103	100	3.3	15.0
Heptachlor epoxide	Ave	4316	4429		103	100	2.6	15.0
gamma-Chlordane	Ave	4514	4588		102	100	1.6	15.0
alpha-Chlordane	Ave	4288	4307		100	100	0.4	15.0
4,4'-DDE	Ave	4020	4064		101	100	1.1	15.0
Endosulfan I	Ave	3839	3953		103	100	3.0	15.0
Dieldrin	Ave	3937	3996		102	100	1.5	15.0
Endrin	Ave	3239	3479		107	100	7.4	15.0
4,4'-DDD	Ave	3230	3323		103	100	2.9	15.0
Endosulfan II	Ave	3388	3399		100	100	0.3	15.0
4,4'-DDT	Ave	3237	3379		104	100	4.4	15.0
Endrin aldehyde	Ave	2689	2760		103	100	2.6	15.0
Methoxychlor	Ave	1513	1695		112	100	12.0	15.0
Endosulfan sulfate	Ave	3012	2959		98.2	100	-1.8	15.0
Endrin ketone	Ave	3203	3125		97.5	100	-2.5	15.0
Tetrachloro-m-xylene	Ave	4172	4017		96.3	100	-3.7	15.0
DCB Decachlorobiphenyl	Ave	2853	2877		101	100	0.9	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCVRT 460-124316/7 Calibration Date: 08/16/2012 08:11  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WR705666.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.92	2.87	2.97
beta-BHC	3.09	3.04	3.14
delta-BHC	3.40	3.35	3.45
Heptachlor	3.79	3.74	3.84
Aldrin	4.33	4.28	4.38
Heptachlor epoxide	5.45	5.38	5.52
gamma-Chlordane	5.70	5.63	5.77
alpha-Chlordane	5.96	5.89	6.03
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.72	6.65	6.79
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.38	7.31	7.45
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.86	7.78	7.92
Endrin ketone	8.16	8.09	8.23
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705666.D  
Lab Smp Id: SGPESTL3\_00013  
Inj Date : 16-AUG-2012 08:11  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 16-Aug-2012 12:48 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/L)	CAL-AMT		ON-COL		RATIO
					=====	=====	=====	=====	
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
1.897	1.897	0.000	401748	100.000	96	80.00-	120.00	100.00	
<hr/>									
2 alpha-BHC									
2.447	2.447	0.000	552170	100.000	100	80.00-	120.00	100.00	
<hr/>									
5 gamma-BHC (Lindane)									
2.923	2.923	0.000	528113	100.000	100	80.00-	120.00	100.00	
<hr/>									
3 beta-BHC									
3.090	3.087	0.003	249661	100.000	98	80.00-	120.00	100.00	
<hr/>									
4 delta-BHC									
3.403	3.400	0.003	479621	100.000	98	80.00-	120.00	100.00	
<hr/>									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO	
			CAL-AMT	ON-COL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor				CAS #: 76-44-8			
3.790	3.787	0.003	483181	100.000	110	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2			
4.333	4.330	0.003	475253	100.000	100	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3			
5.453	5.450	0.003	442879	100.000	100	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2			
5.700	5.697	0.003	458776	100.000	100	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9			
5.960	5.960	0.000	430678	100.000	100	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9			
6.087	6.087	0.000	406383	100.000	100	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8			
6.180	6.180	0.000	395262	100.000	100	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1			
6.480	6.480	0.000	399594	100.000	100	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8			
6.723	6.723	0.000	347891	100.000	110	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8			
6.790	6.790	0.000	332329	100.000	100	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9			
6.950	6.950	0.000	339856	100.000	100	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3			
7.070	7.070	0.000	337933	100.000	100	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4			
7.383	7.383	0.000	276010	100.000	100	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5			
7.580	7.580	0.000	169481	100.000	110	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8			
7.857	7.853	0.004	295891	100.000	98	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5			
8.163	8.163	0.000	312472	100.000	98	80.00- 120.00	100.00

Data File: WR705666.D  
Report Date: 16-Aug-2012 12:56

Page 3

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
8.947	8.947	0.000	287721	100.000	100	80.00- 120.00	100.00

---

Data File: WR705666.D

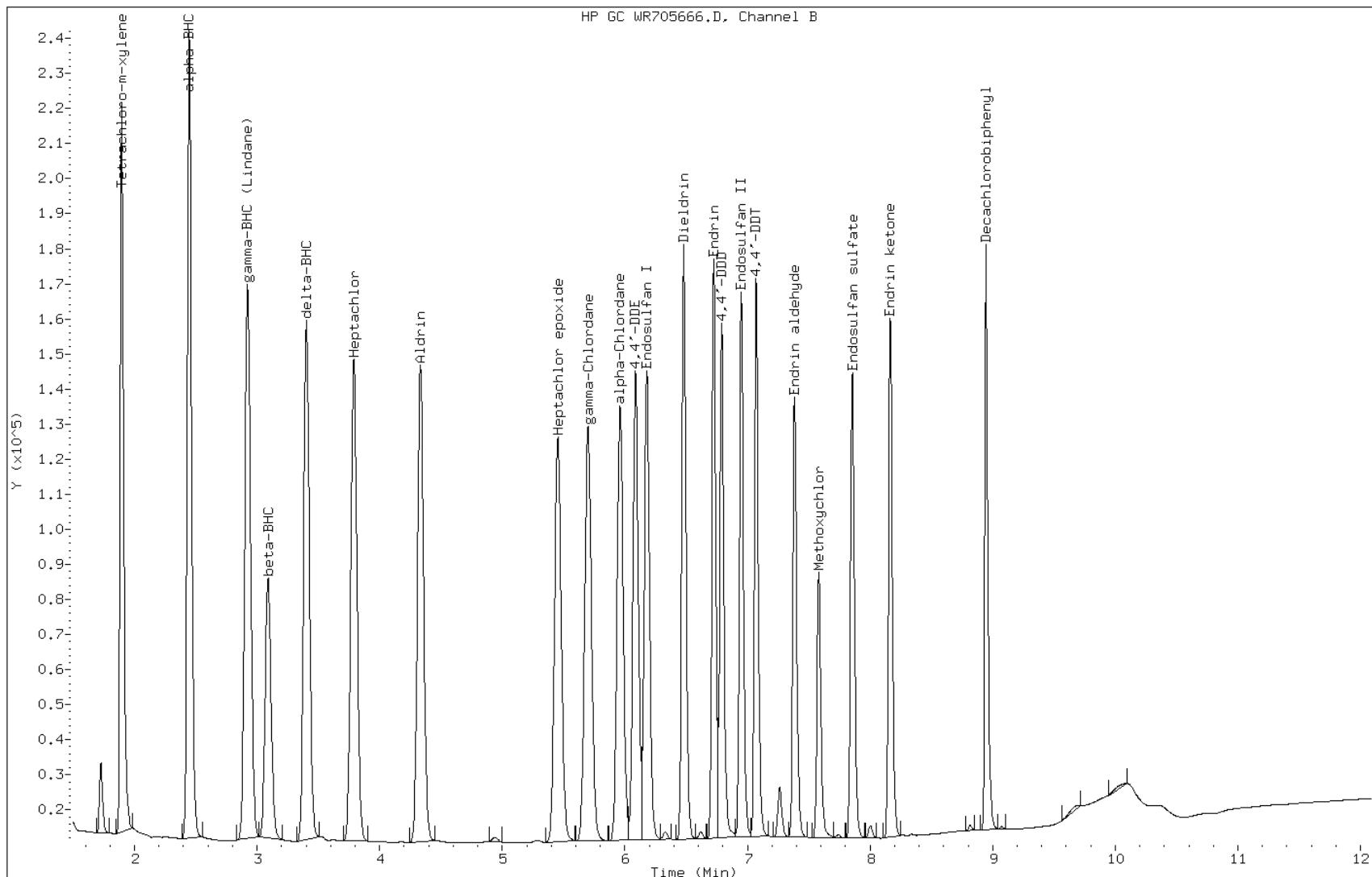
Date: 16-AUG-2012 08:11

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-124316/24 Calibration Date: 08/16/2012 12:21

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705683.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	6235		108	100	7.6	15.0
gamma-BHC (Lindane)	Ave	5362	5747		107	100	7.2	15.0
beta-BHC	Ave	2585	2749		106	100	6.3	15.0
delta-BHC	Ave	5052	5375		106	100	6.4	15.0
Heptachlor	Ave	5095	4616		90.6	100	-9.4	15.0
Aldrin	Ave	5058	5470		108	100	8.1	15.0
Heptachlor epoxide	Ave	3773	3984		106	100	5.6	15.0
gamma-Chlordane	Ave	3763	4004		106	100	6.4	15.0
alpha-Chlordane	Ave	3548	3787		107	100	6.7	15.0
Endosulfan I	Ave	3502	3687		105	100	5.3	15.0
4,4'-DDE	Ave	3643	3832		105	100	5.2	15.0
Dieldrin	Ave	3717	3985		107	100	7.2	15.0
Endrin	Ave	3222	3368		105	100	4.5	15.0
4,4"-DDD	Ave	2920	2946		101	100	0.9	15.0
Endosulfan II	Ave	3219	3385		105	100	5.2	15.0
4,4'-DDT	Ave	2995	2765		92.3	100	-7.7	15.0
Endrin aldehyde	Ave	2319	2440		105	100	5.2	15.0
Endosulfan sulfate	Ave	2495	2493		99.9	100	-0.0	15.0
Methoxychlor	Ave	1242	967.8		77.9	100	-22.1*	15.0
Endrin ketone	Ave	2823	2743		97.2	100	-2.8	15.0
Tetrachloro-m-xylene	Ave	4200	4291		102	100	2.1	15.0
DCB Decachlorobiphenyl	Ave	2804	2859		102	100	2.0	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 460-124316/24 Calibration Date: 08/16/2012 12:21  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705683.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.48	3.43	3.53
gamma-BHC (Lindane)	4.20	4.15	4.25
beta-BHC	4.35	4.30	4.40
delta-BHC	4.95	4.90	5.00
Heptachlor	5.09	5.04	5.14
Aldrin	5.78	5.73	5.83
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.71	7.64	7.78
4,4'-DDD	7.79	7.72	7.86
Endosulfan II	7.94	7.87	8.01
4,4'-DDT	8.16	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.54	8.47	8.61
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.38	2.33	2.43
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705683.D  
Report Date: 16-Aug-2012 12:59

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705683.D  
Lab Smp Id: PESTL3\_00013  
Inj Date : 16-AUG-2012 12:21  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 16-Aug-2012 12:59 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	TARGET	RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
2.380	2.380	0.000	429056	100.000	100	80.00-	120.00	100.00	
-----									
2 alpha-BHC					CAS #: 319-84-6				
3.480	3.480	0.000	623494	100.000	110	80.00-	120.00	100.00	
-----									
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
4.203	4.203	0.000	574675	100.000	110	80.00-	120.00	100.00	
-----									
3 beta-BHC					CAS #: 319-85-7				
4.353	4.353	0.000	274878	100.000	110	80.00-	120.00	100.00	
-----									
4 delta-BHC					CAS #: 319-86-8				
4.947	4.947	0.000	537470	100.000	110	80.00-	120.00	100.00	
-----									

Data File: WF705683.D  
Report Date: 16-Aug-2012 12:59

RT	EXP RT	DLT RT	AMOUNTS					
			CAL-AMT		ON-COL			
			RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====		
17 Heptachlor			CAS #: 76-44-8					
5.093	5.093	0.000	461625	100.000	91	80.00-	120.00	100.00
-----								
1 Aldrin			CAS #: 309-00-2					
5.780	5.780	0.000	546979	100.000	110	80.00-	120.00	100.00
-----								
18 Heptachlor epoxide			CAS #: 1024-57-3					
6.640	6.640	0.000	398413	100.000	100	80.00-	120.00	100.00
-----								
65 gamma-Chlordane			CAS #: 5103-74-2					
6.837	6.837	0.000	400421	100.000	110	80.00-	120.00	100.00
-----								
66 alpha-Chlordane			CAS #: 5103-71-9					
6.990	6.990	0.000	378673	100.000	110	80.00-	120.00	100.00
-----								
11 Endosulfan I			CAS #: 959-98-8					
7.063	7.063	0.000	368738	100.000	100	80.00-	120.00	100.00
-----								
8 4,4'-DDE			CAS #: 72-55-9					
7.147	7.147	0.000	383223	100.000	100	80.00-	120.00	100.00
-----								
10 Dieldrin			CAS #: 60-57-1					
7.360	7.360	0.000	398475	100.000	110	80.00-	120.00	100.00
-----								
14 Endrin			CAS #: 72-20-8					
7.707	7.707	0.000	336758	100.000	100	80.00-	120.00	100.00
-----								
7 4,4'-DDD			CAS #: 72-54-8					
7.793	7.793	0.000	294596	100.000	100	80.00-	120.00	100.00
-----								
12 Endosulfan II			CAS #: 33213-65-9					
7.943	7.943	0.000	338507	100.000	100	80.00-	120.00	100.00
-----								
9 4,4'-DDT			CAS #: 50-29-3					
8.157	8.157	0.000	276536	100.000	92	80.00-	120.00	100.00
-----								
15 Endrin aldehyde			CAS #: 7421-93-4					
8.307	8.307	0.000	243991	100.000	100	80.00-	120.00	100.00
-----								
13 Endosulfan sulfate			CAS #: 1031-07-8					
8.543	8.543	0.000	249315	100.000	100	80.00-	120.00	100.00
-----								
19 Methoxychlor			CAS #: 72-43-5					
8.730	8.730	0.000	96778	100.000	78	80.00-	120.00	100.00
-----								
16 Endrin ketone			CAS #: 53494-70-5					
8.940	8.940	0.000	274292	100.000	97	80.00-	120.00	100.00
-----								

Data File: WF705683.D  
Report Date: 16-Aug-2012 12:59

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)		285900	100.000	100	80.00- 120.00	100.00

Data File: WF705683.D

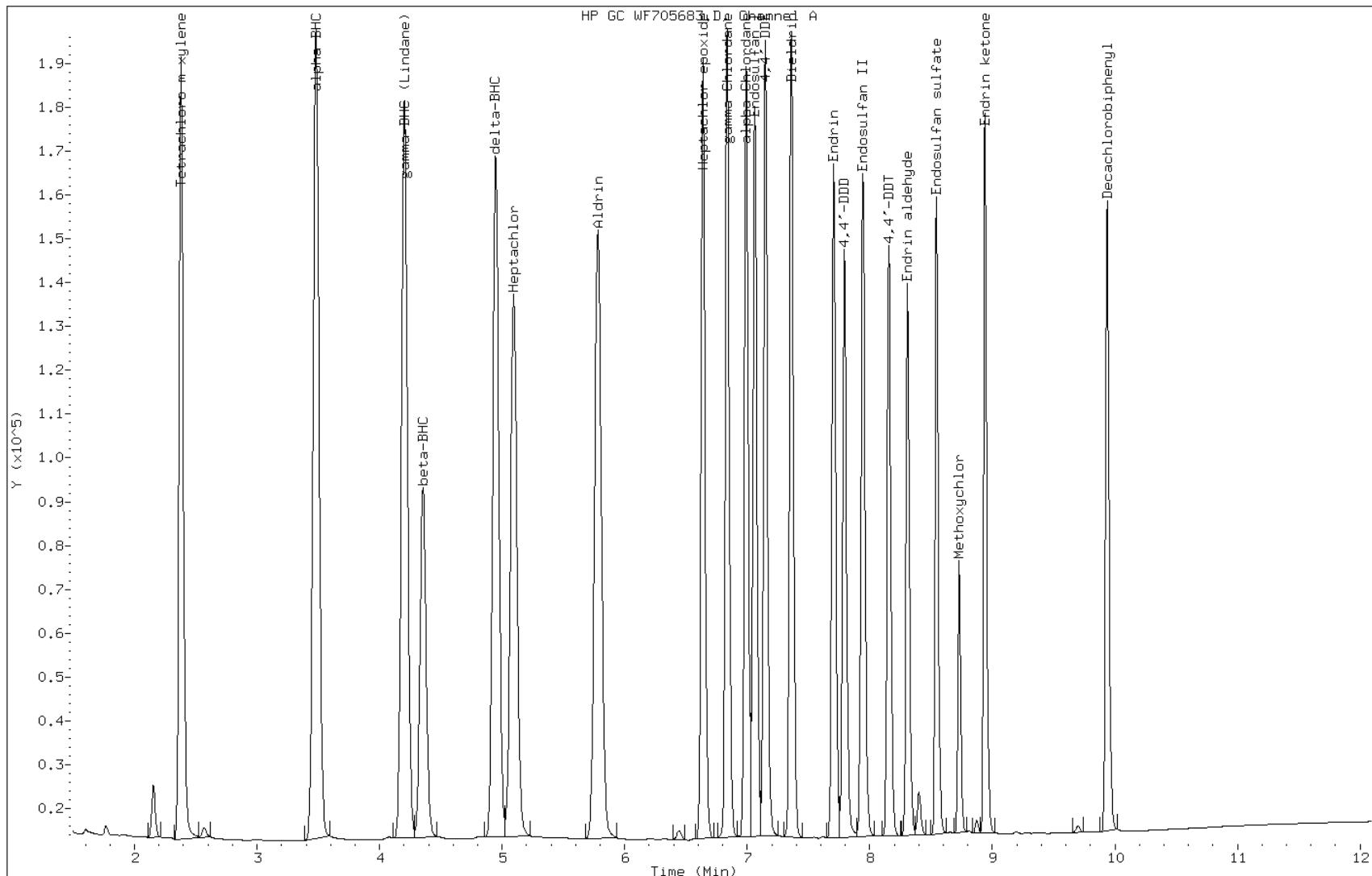
Date: 16-AUG-2012 12:21

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-124316/24 Calibration Date: 08/16/2012 12:21

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705683.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5484		99.7	100	-0.3	15.0
gamma-BHC (Lindane)	Ave	5222	5239		100	100	0.3	15.0
beta-BHC	Ave	2548	2475		97.1	100	-2.9	15.0
delta-BHC	Ave	4881	4830		99.0	100	-1.0	15.0
Heptachlor	Ave	4507	4762		106	100	5.7	15.0
Aldrin	Ave	4602	4774		104	100	3.7	15.0
Heptachlor epoxide	Ave	4316	4422		102	100	2.5	15.0
gamma-Chlordane	Ave	4514	4617		102	100	2.3	15.0
alpha-Chlordane	Ave	4288	4344		101	100	1.3	15.0
4,4'-DDE	Ave	4020	4079		101	100	1.5	15.0
Endosulfan I	Ave	3839	3978		104	100	3.6	15.0
Dieldrin	Ave	3937	4022		102	100	2.2	15.0
Endrin	Ave	3239	3476		107	100	7.3	15.0
4,4'-DDD	Ave	3230	3356		104	100	3.9	15.0
Endosulfan II	Ave	3388	3421		101	100	1.0	15.0
4,4'-DDT	Ave	3237	3393		105	100	4.8	15.0
Endrin aldehyde	Ave	2689	2798		104	100	4.0	15.0
Methoxychlor	Ave	1513	1663		110	100	9.9	15.0
Endosulfan sulfate	Ave	3012	2993		99.4	100	-0.6	15.0
Endrin ketone	Ave	3203	3254		102	100	1.6	15.0
Tetrachloro-m-xylene	Ave	4172	4059		97.3	100	-2.7	15.0
DCB Decachlorobiphenyl	Ave	2853	2885		101	100	1.1	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-124316/24 Calibration Date: 08/16/2012 12:21

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705683.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.92	2.87	2.97
beta-BHC	3.09	3.04	3.14
delta-BHC	3.40	3.35	3.45
Heptachlor	3.79	3.74	3.84
Aldrin	4.33	4.28	4.38
Heptachlor epoxide	5.45	5.38	5.52
gamma-Chlordane	5.70	5.63	5.77
alpha-Chlordane	5.96	5.89	6.03
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.72	6.65	6.79
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.38	7.31	7.45
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.85	7.78	7.92
Endrin ketone	8.16	8.09	8.23
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705683.D  
Lab Smp Id: PESTL3\_00013  
Inj Date : 16-AUG-2012 12:21  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 16-Aug-2012 12:59 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/L)	CAL-AMT		ON-COL		RATIO
					=====	=====	=====	=====	
<hr/>									
\$ 28 Tetrachloro-m-xylene(surr)				CAS #: 877-09-8					
1.897	1.897	0.000	405881	100.000	97	80.00-	120.00	100.00	
<hr/>									
2 alpha-BHC									
2.447	2.447	0.000	548439	100.000	100	80.00-	120.00	100.00	
<hr/>									
5 gamma-BHC (Lindane)									
2.923	2.923	0.000	523894	100.000	100	80.00-	120.00	100.00	
<hr/>									
3 beta-BHC									
3.087	3.087	0.000	247502	100.000	97	80.00-	120.00	100.00	
<hr/>									
4 delta-BHC									
3.400	3.400	0.000	483042	100.000	99	80.00-	120.00	100.00	
<hr/>									

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO	
			CAL-AMT	ON-COL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor				CAS #: 76-44-8			
3.787	3.787	0.000	476223	100.000	100	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2			
4.330	4.330	0.000	477355	100.000	100	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3			
5.450	5.450	0.000	442195	100.000	100	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2			
5.697	5.697	0.000	461737	100.000	100	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9			
5.960	5.960	0.000	434356	100.000	100	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9			
6.087	6.087	0.000	407867	100.000	100	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8			
6.180	6.180	0.000	397795	100.000	100	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1			
6.480	6.480	0.000	402205	100.000	100	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8			
6.723	6.723	0.000	347578	100.000	110	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8			
6.790	6.790	0.000	335560	100.000	100	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9			
6.950	6.950	0.000	342081	100.000	100	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3			
7.070	7.070	0.000	339313	100.000	100	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4			
7.383	7.383	0.000	279776	100.000	100	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5			
7.580	7.580	0.000	166302	100.000	110	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8			
7.853	7.853	0.000	299278	100.000	99	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5			
8.163	8.163	0.000	325437	100.000	100	80.00- 120.00	100.00

Data File: WR705683.D  
Report Date: 16-Aug-2012 13:00

Page 3

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
8.947	8.947	0.000	288472	100.000	100	80.00- 120.00	100.00

---

Data File: WR705683.D

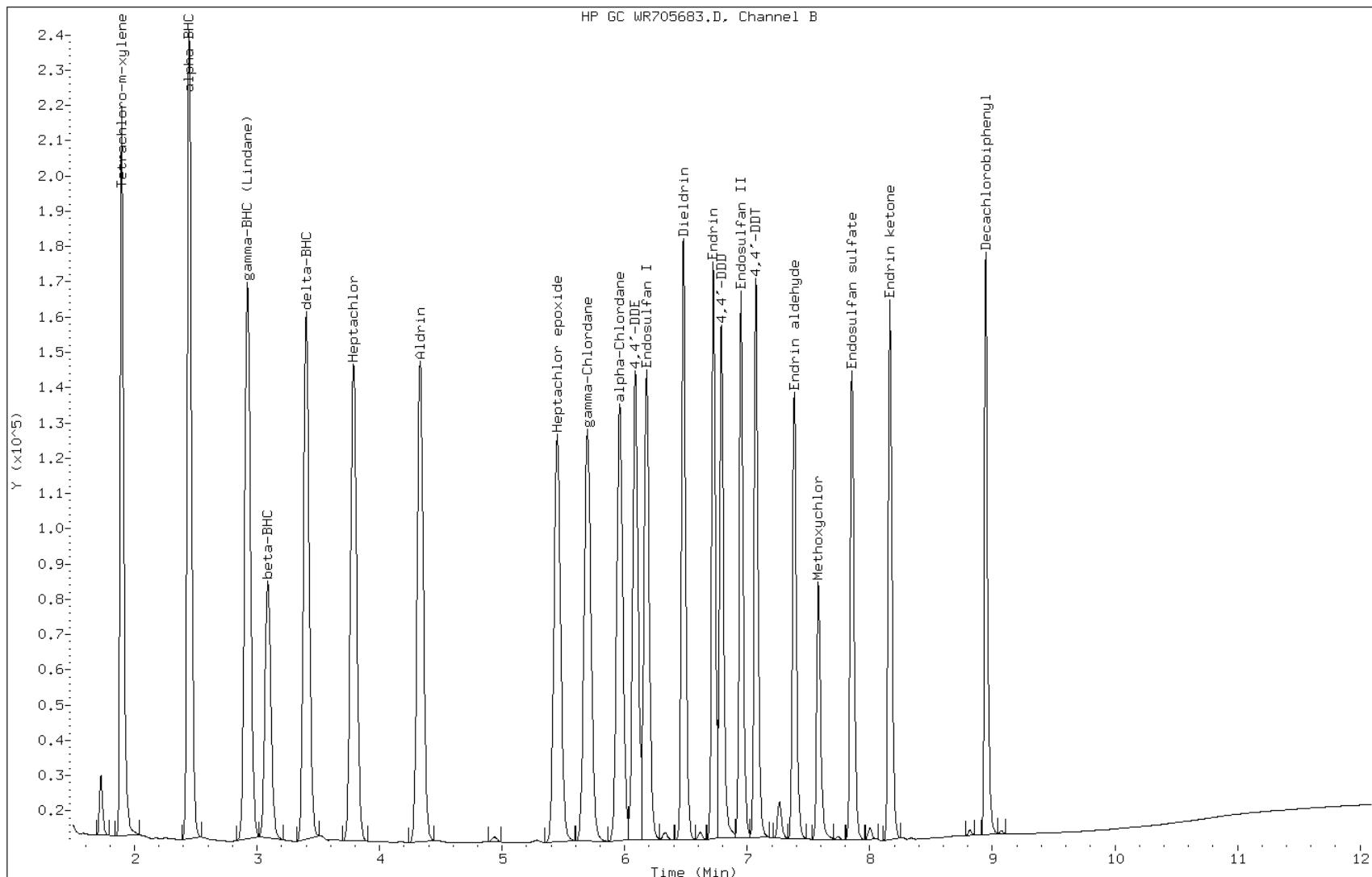
Date: 16-AUG-2012 12:21

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-124316/47 Calibration Date: 08/16/2012 17:52

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WF705706.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5797	6305		109	100	8.8	15.0
gamma-BHC (Lindane)	Ave	5362	5787		108	100	7.9	15.0
beta-BHC	Ave	2585	2770		107	100	7.1	15.0
delta-BHC	Ave	5052	5389		107	100	6.7	15.0
Heptachlor	Ave	5095	4744		93.1	100	-6.9	15.0
Aldrin	Ave	5058	5469		108	100	8.1	15.0
Heptachlor epoxide	Ave	3773	3986		106	100	5.6	15.0
gamma-Chlordane	Ave	3763	4022		107	100	6.9	15.0
alpha-Chlordane	Ave	3548	3793		107	100	6.9	15.0
Endosulfan I	Ave	3502	3702		106	100	5.7	15.0
4,4'-DDE	Ave	3643	3840		105	100	5.4	15.0
Dieldrin	Ave	3717	4001		108	100	7.6	15.0
Endrin	Ave	3222	3345		104	100	3.8	15.0
4,4"-DDD	Ave	2920	2961		101	100	1.4	15.0
Endosulfan II	Ave	3219	3405		106	100	5.8	15.0
4,4'-DDT	Ave	2995	2804		93.6	100	-6.4	15.0
Endrin aldehyde	Ave	2319	2471		107	100	6.5	15.0
Endosulfan sulfate	Ave	2495	2464		98.7	100	-1.3	15.0
Methoxychlor	Ave	1242	978.3		78.8	100	-21.2*	15.0
Endrin ketone	Ave	2823	2763		97.9	100	-2.1	15.0
Tetrachloro-m-xylene	Ave	4200	4340		103	100	3.3	15.0
DCB Decachlorobiphenyl	Ave	2804	2863		102	100	2.1	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: CCV 460-124316/47 Calibration Date: 08/16/2012 17:52  
Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30  
GC Column: CLP-2 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25  
Lab File ID: WF705706.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	3.49	3.44	3.54
gamma-BHC (Lindane)	4.21	4.16	4.26
beta-BHC	4.36	4.31	4.41
delta-BHC	4.95	4.90	5.00
Heptachlor	5.10	5.05	5.15
Aldrin	5.79	5.74	5.84
Heptachlor epoxide	6.64	6.57	6.71
gamma-Chlordane	6.84	6.77	6.91
alpha-Chlordane	6.99	6.92	7.06
Endosulfan I	7.06	6.99	7.13
4,4'-DDE	7.15	7.08	7.22
Dieldrin	7.36	7.29	7.43
Endrin	7.71	7.64	7.78
4,4'-DDD	7.79	7.72	7.86
Endosulfan II	7.94	7.87	8.01
4,4'-DDT	8.16	8.09	8.23
Endrin aldehyde	8.31	8.24	8.38
Endosulfan sulfate	8.54	8.47	8.61
Methoxychlor	8.73	8.66	8.80
Endrin ketone	8.94	8.87	9.01
Tetrachloro-m-xylene	2.38	2.33	2.43
DCB Decachlorobiphenyl	9.94	9.84	10.04

Data File: WF705706.D  
Report Date: 17-Aug-2012 07:55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705706.D  
Lab Smp Id: PESTL3\_00013  
Inj Date : 16-AUG-2012 17:52  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 17-Aug-2012 07:55 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	100.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
<hr/>									
\$ 28	Tetrachloro-m-xylene(surr)				CAS #: 877-09-8				
2.383	2.383	0.000	434012	100.000	100	80.00-	120.00	100.00	
<hr/>									
2	alpha-BHC				CAS #: 319-84-6				
3.487	3.487	0.000	630467	100.000	110	80.00-	120.00	100.00	
<hr/>									
5	gamma-BHC (Lindane)				CAS #: 58-89-9				
4.207	4.207	0.000	578682	100.000	110	80.00-	120.00	100.00	
<hr/>									
3	beta-BHC				CAS #: 319-85-7				
4.360	4.360	0.000	276970	100.000	110	80.00-	120.00	100.00	
<hr/>									
4	delta-BHC				CAS #: 319-86-8				
4.953	4.953	0.000	538941	100.000	110	80.00-	120.00	100.00	
<hr/>									

Data File: WF705706.D  
Report Date: 17-Aug-2012 07:55

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT		ON-COL		
			RESPONSE	( ug/L)	( ug/L)	TARGET RANGE	
17 Heptachlor			CAS #:	76-44-8			
5.100	5.100	0.000	474387	100.000	93	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
5.787	5.787	0.000	546886	100.000	110	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.640	6.640	0.000	398581	100.000	100	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
6.837	6.837	0.000	402196	100.000	110	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
6.990	6.990	0.000	379321	100.000	110	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
7.063	7.063	0.000	370231	100.000	100	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
7.147	7.147	0.000	384017	100.000	100	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
7.360	7.360	0.000	400059	100.000	110	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
7.707	7.707	0.000	334479	100.000	100	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
7.793	7.793	0.000	296059	100.000	100	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
7.943	7.943	0.000	340530	100.000	100	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
8.157	8.157	0.000	280436	100.000	94	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
8.307	8.307	0.000	247094	100.000	110	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.543	8.543	0.000	246374	100.000	99	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
8.730	8.730	0.000	97830	100.000	79	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	276345	100.000	98	80.00- 120.00	100.00

Data File: WF705706.D  
Report Date: 17-Aug-2012 07:55

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	TARGET RANGE	CAS #: 2051-24-3	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)		286291	100.000	100	80.00- 120.00	100.00

Data File: WF705706.D

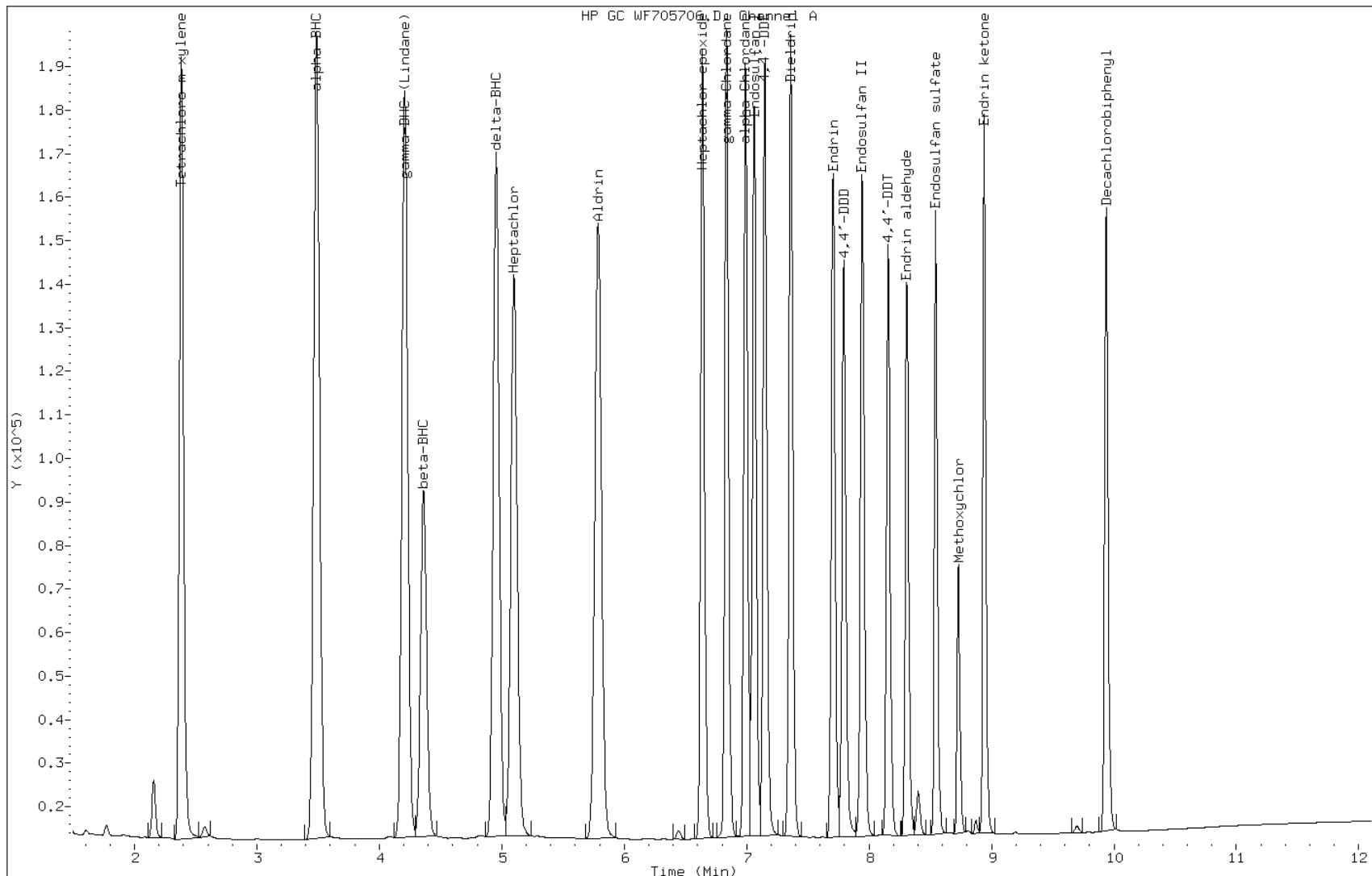
Date: 16-AUG-2012 17:52

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM VII  
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-124316/47 Calibration Date: 08/16/2012 17:52

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53(mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705706.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	5503	5449		99.0	100	-1.0	15.0
gamma-BHC (Lindane)	Ave	5222	5187		99.3	100	-0.7	15.0
beta-BHC	Ave	2548	2443		95.9	100	-4.1	15.0
delta-BHC	Ave	4881	4760		97.5	100	-2.5	15.0
Heptachlor	Ave	4507	4567		101	100	1.3	15.0
Aldrin	Ave	4602	4751		103	100	3.3	15.0
Heptachlor epoxide	Ave	4316	4360		101	100	1.0	15.0
gamma-Chlordane	Ave	4514	4585		102	100	1.6	15.0
alpha-Chlordane	Ave	4288	4333		101	100	1.0	15.0
4,4'-DDE	Ave	4020	3991		99.3	100	-0.7	15.0
Endosulfan I	Ave	3839	3997		104	100	4.1	15.0
Dieldrin	Ave	3937	4005		102	100	1.7	15.0
Endrin	Ave	3239	3379		104	100	4.3	15.0
4,4'-DDD	Ave	3230	3361		104	100	4.1	15.0
Endosulfan II	Ave	3388	3445		102	100	1.7	15.0
4,4'-DDT	Ave	3237	3344		103	100	3.3	15.0
Endrin aldehyde	Ave	2689	2805		104	100	4.3	15.0
Methoxychlor	Ave	1513	1540		102	100	1.8	15.0
Endosulfan sulfate	Ave	3012	2932		97.3	100	-2.7	15.0
Endrin ketone	Ave	3203	3239		101	100	1.1	15.0
Tetrachloro-m-xylene	Ave	4172	4024		96.4	100	-3.6	15.0
DCB Decachlorobiphenyl	Ave	2853	2883		101	100	1.1	15.0

FORM VII  
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCV 460-124316/47 Calibration Date: 08/16/2012 17:52

Instrument ID: PESTGC4 Calib Start Date: 08/02/2012 08:30

GC Column: CLP-1 ID: 0.53 (mm) Calib End Date: 08/02/2012 09:25

Lab File ID: WR705706.D

Analyte	RT	RT WINDOW	
		TO	FROM
alpha-BHC	2.45	2.40	2.50
gamma-BHC (Lindane)	2.93	2.88	2.98
beta-BHC	3.09	3.04	3.14
delta-BHC	3.41	3.36	3.46
Heptachlor	3.79	3.74	3.84
Aldrin	4.34	4.29	4.39
Heptachlor epoxide	5.45	5.38	5.52
gamma-Chlordane	5.70	5.63	5.77
alpha-Chlordane	5.96	5.89	6.03
4,4'-DDE	6.09	6.02	6.16
Endosulfan I	6.18	6.11	6.25
Dieldrin	6.48	6.41	6.55
Endrin	6.72	6.65	6.79
4,4'-DDD	6.79	6.72	6.86
Endosulfan II	6.95	6.88	7.02
4,4'-DDT	7.07	7.00	7.14
Endrin aldehyde	7.38	7.31	7.45
Methoxychlor	7.58	7.51	7.65
Endosulfan sulfate	7.85	7.78	7.92
Endrin ketone	8.16	8.09	8.23
Tetrachloro-m-xylene	1.90	1.85	1.95
DCB Decachlorobiphenyl	8.95	8.85	9.05

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705706.D  
Lab Smp Id: PESTL3\_00013  
Inj Date : 16-AUG-2012 17:52  
Operator : Inst ID: PESTGC4.i  
Smp Info : SGPESTL3\_00013  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 17-Aug-2012 07:51 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 Continuing Calibration Sample  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: SCpestRANGE.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	100.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	DLT RT	CAL-AMT	ON-COL	RESPONSE ( ug/L)	( ug/L)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene(surr)					CAS #: 877-09-8				
1.897	1.897	0.000	402375	100.000	96	80.00- 120.00	100.00		
2 alpha-BHC					CAS #: 319-84-6				
2.450	2.450	0.000	544854	100.000	99	80.00- 120.00	100.00		
5 gamma-BHC (Lindane)					CAS #: 58-89-9				
2.927	2.927	0.000	518678	100.000	99	80.00- 120.00	100.00		
3 beta-BHC					CAS #: 319-85-7				
3.093	3.093	0.000	244285	100.000	96	80.00- 120.00	100.00		
4 delta-BHC					CAS #: 319-86-8				
3.407	3.407	0.000	476034	100.000	98	80.00- 120.00	100.00		

RT	EXP RT	DLT RT	AMOUNTS		TARGET RANGE	RATIO	
			CAL-AMT	ON-COL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor				CAS #: 76-44-8			
3.793	3.793	0.000	456723	100.000	100	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2			
4.337	4.337	0.000	475140	100.000	100	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3			
5.453	5.453	0.000	436034	100.000	100	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2			
5.700	5.700	0.000	458526	100.000	100	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9			
5.963	5.963	0.000	433291	100.000	100	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9			
6.087	6.087	0.000	399131	100.000	99	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8			
6.180	6.180	0.000	399732	100.000	100	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1			
6.480	6.480	0.000	400451	100.000	100	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8			
6.723	6.723	0.000	337911	100.000	100	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8			
6.790	6.790	0.000	336083	100.000	100	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9			
6.947	6.947	0.000	344486	100.000	100	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3			
7.070	7.070	0.000	334364	100.000	100	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4			
7.383	7.383	0.000	280461	100.000	100	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5			
7.580	7.580	0.000	154023	100.000	100	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8			
7.853	7.853	0.000	293190	100.000	97	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5			
8.163	8.163	0.000	323887	100.000	100	80.00- 120.00	100.00

RT	EXP RT	DLT RT	AMOUNTS				RATIO
			CAL-AMT	ON-COL	RESPONSE ( ug/L)	TARGET RANGE	
			=====	=====			
\$ 30	Decachlorobiphenyl(surr)			CAS #: 2051-24-3			
8.947	8.947	0.000	288295	100.000	100	80.00- 120.00	100.00

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Data File: WR705706.D

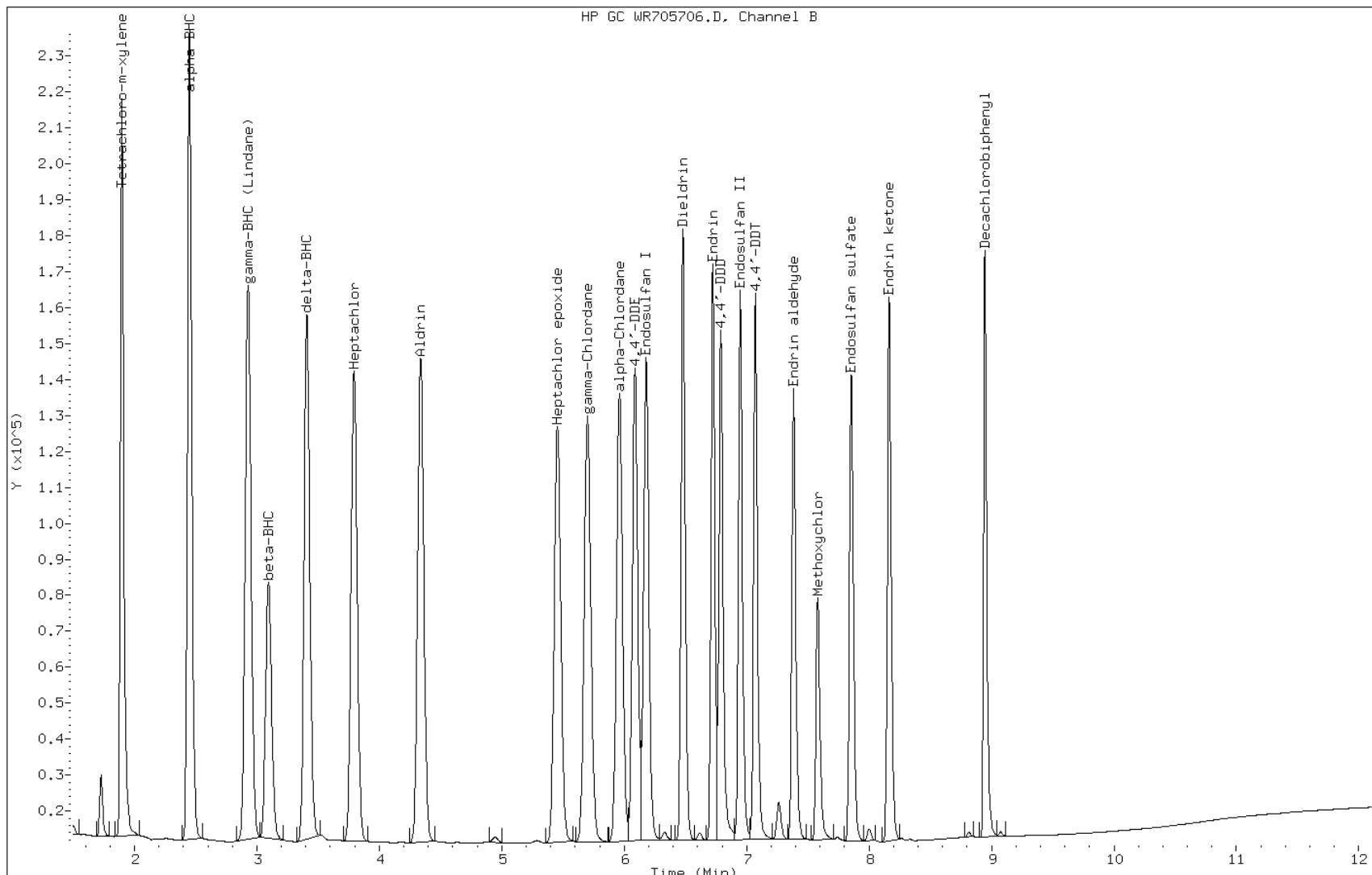
Date: 16-AUG-2012 17:52

Client ID:

Instrument: PESTGC4.i

Sample Info: SGPESTL3\_00013

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123232/1-A  
Matrix: Solid Lab File ID: WF705440.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 10:51  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123769 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	106		40-150
2051-24-3	DCB Decachlorobiphenyl	103		53-150

Data File: WF705440.D  
Report Date: 13-Aug-2012 12:50

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705440.D  
Lab Smp Id: MB 460-123232/1-A  
Inj Date : 13-AUG-2012 10:51  
Operator : Inst ID: PESTGC4.i  
Smp Info : MB 460-123232/1  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08WF8081.m  
Meth Date : 13-Aug-2012 12:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene						
2.383	2.383	0.000	223507	53.2113	35 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
\$ 30 Decachlorobiphenyl						
9.937	9.940	-0.003	144932	51.6913	34 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----

Data File: WF705440.D

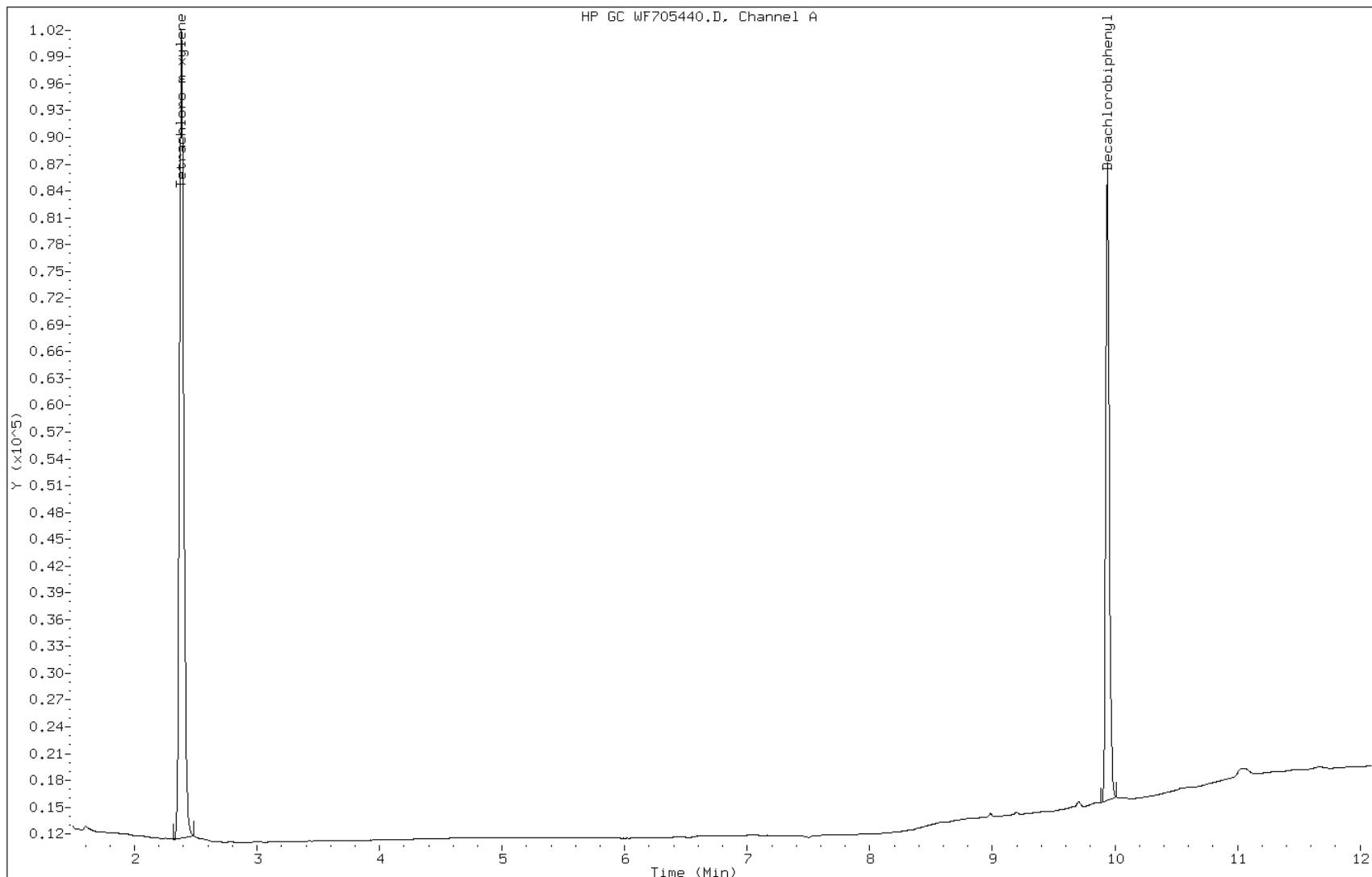
Date: 13-AUG-2012 10:51

Client ID:

Instrument: PESTGC4.i

Sample Info: MB 460-123232/1

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123232/1-A  
 Matrix: Solid Lab File ID: WR705440.D  
 Analysis Method: 8081A Date Collected: \_\_\_\_\_  
 Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
 Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 10:51  
 Con. Extract Vol.: 10(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N  
 Analysis Batch No.: 123769 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.5	U	6.7	1.5
319-84-6	alpha-BHC	1.2	U	6.7	1.2
319-85-7	beta-BHC	0.91	U	6.7	0.91
319-86-8	delta-BHC	1.0	U	6.7	1.0
58-89-9	gamma-BHC (Lindane)	0.78	U	6.7	0.78
57-74-9	Chlordane	15	U	67	15
72-54-8	4,4'-DDD	0.80	U	6.7	0.80
72-55-9	4,4'-DDE	1.3	U	6.7	1.3
50-29-3	4,4'-DDT	0.84	U	6.7	0.84
60-57-1	Dieldrin	1.3	U	6.7	1.3
959-98-8	Endosulfan I	1.4	U	6.7	1.4
33213-65-9	Endosulfan II	1.0	U	6.7	1.0
1031-07-8	Endosulfan sulfate	0.86	U	6.7	0.86
72-20-8	Endrin	0.94	U	6.7	0.94
7421-93-4	Endrin aldehyde	1.7	U	6.7	1.7
53494-70-5	Endrin ketone	0.99	U	6.7	0.99
76-44-8	Heptachlor	0.96	U	6.7	0.96
1024-57-3	Heptachlor epoxide	1.4	U	6.7	1.4
72-43-5	Methoxychlor	0.75	U	6.7	0.75
8001-35-2	Toxaphene	14	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	105		40-150
2051-24-3	DCB Decachlorobiphenyl	110		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705440.D  
Lab Smp Id: MB 460-123232/1-A  
Inj Date : 13-AUG-2012 10:51  
Operator : Inst ID: PESTGC4.i  
Smp Info : MB 460-123232/1  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOLID  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene						
1.897	1.897	0.000	218760	52.4354	80.00- 120.00	100.00(aR)
\$ 30 Decachlorobiphenyl						
8.947	8.950	-0.003	156871	54.9920	80.00- 120.00	100.00(aR)

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).  
R - Spike/Surrogate failed recovery limits.

Data File: WR705440.D

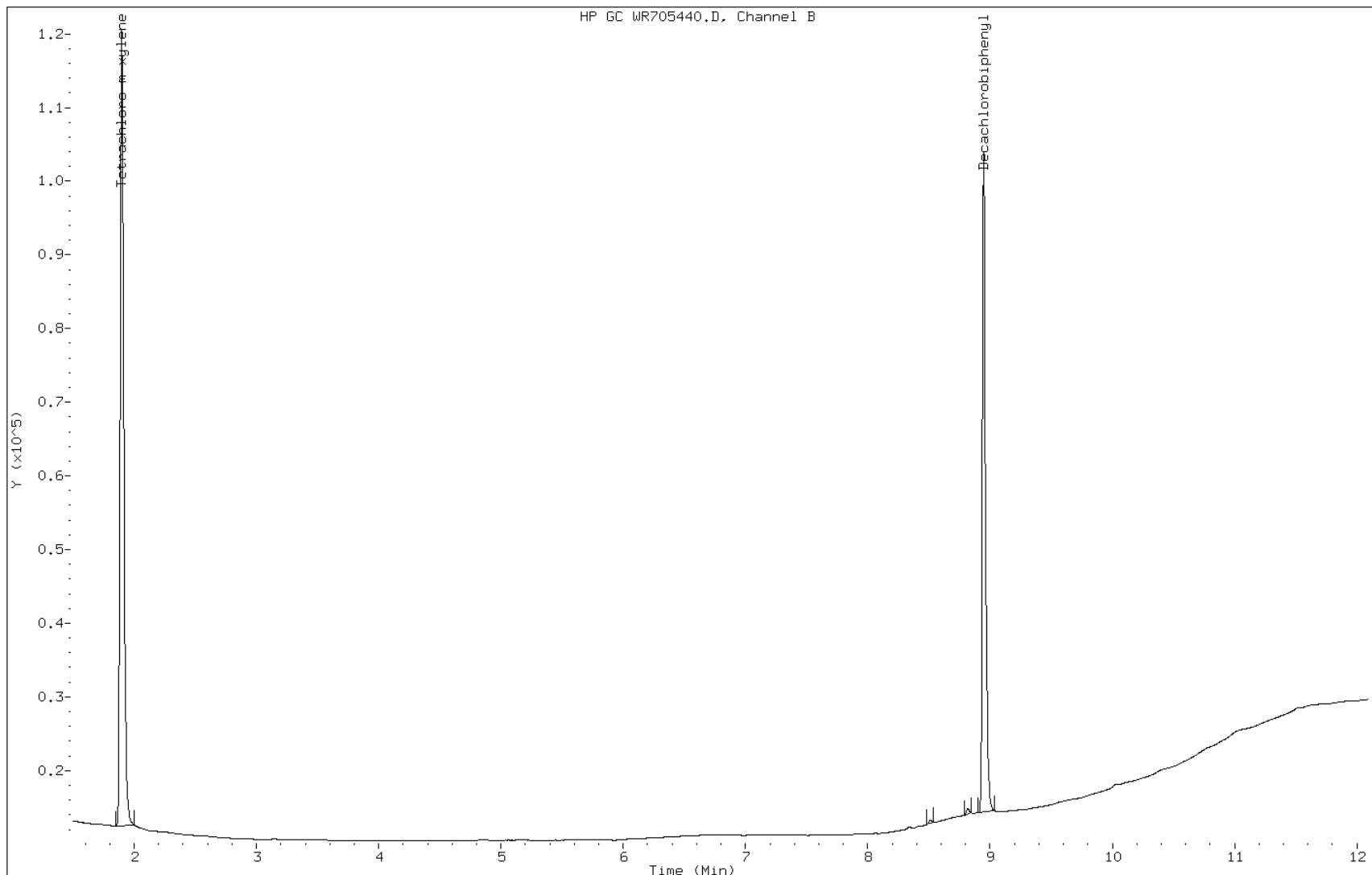
Date: 13-AUG-2012 10:51

Client ID:

Instrument: PESTGC4.i

Sample Info: MB 460-123232/1

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123243/1-A  
Matrix: Water Lab File ID: WF705700.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/16/2012 16:28  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume: \_\_\_\_\_ GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124316 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	104		49-132
2051-24-3	DCB Decachlorobiphenyl	82		37-144

Data File: WF705700.D  
Report Date: 17-Aug-2012 07:55

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705700.D  
Lab Smp Id: MB 460-123243/1-A  
Inj Date : 16-AUG-2012 16:28  
Operator : Inst ID: PESTGC4.i  
Smp Info : MB 460-123243/1-A  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 17-Aug-2012 07:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL				FINAL					
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/l)	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====	====	====	====
<hr/>									
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8				
2.380	2.383	-0.003	435204	103.611	0.52	80.00-	120.00	100.00	
<hr/>									
\$ 30 Decachlorobiphenyl					CAS #: 2051-24-3				
9.937	9.937	0.000	230637	82.2588	0.41	80.00-	120.00	100.00	
<hr/>									

Data File: WF705700.D

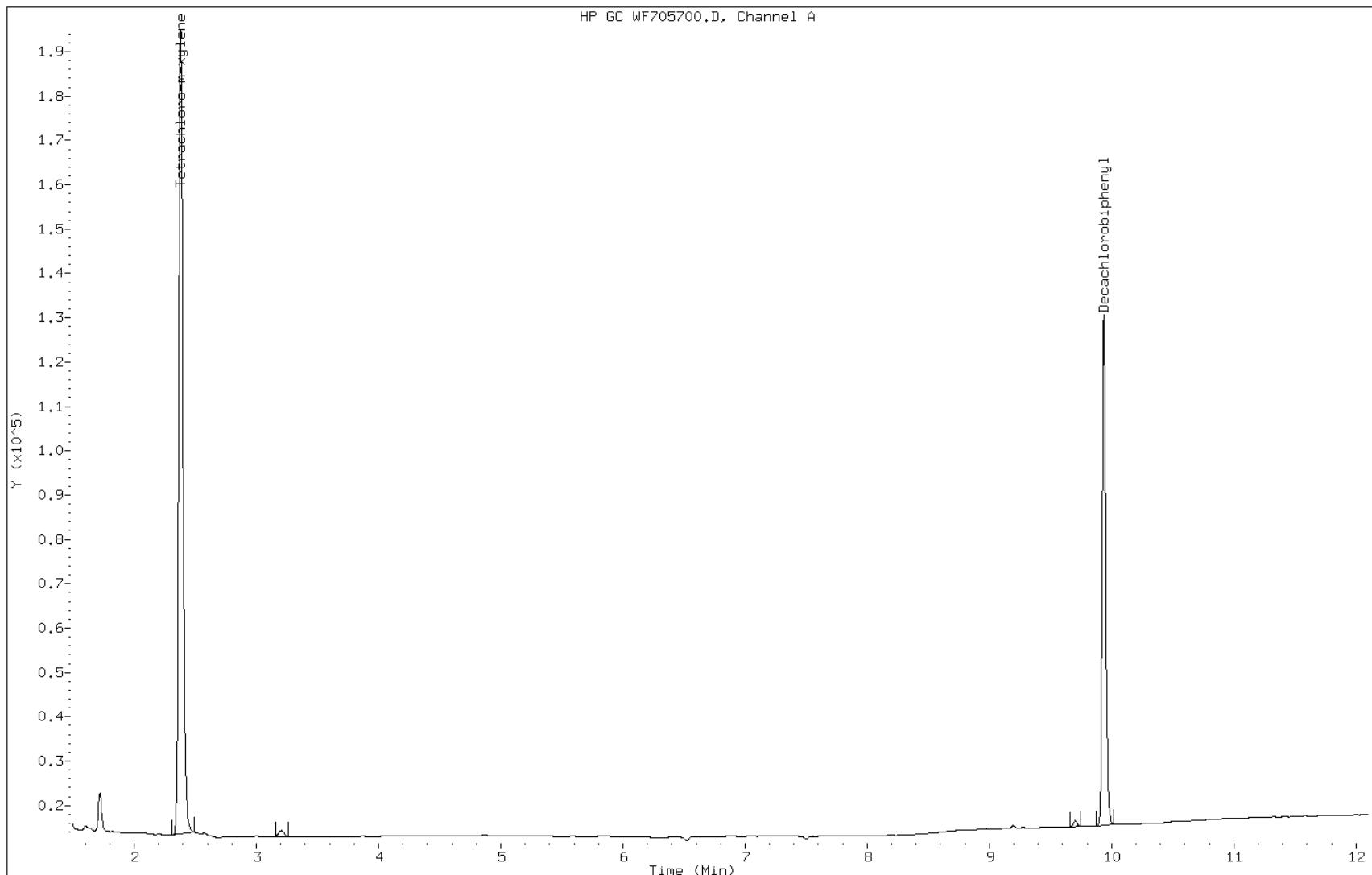
Date: 16-AUG-2012 16:28

Client ID:

Instrument: PESTGC4.i

Sample Info: MB 460-123243/1-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 460-123243/1-A  
 Matrix: Water Lab File ID: WR705700.D  
 Analysis Method: 8081A Date Collected: \_\_\_\_\_  
 Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
 Sample wt/vol: 1000 (mL) Date Analyzed: 08/16/2012 16:28  
 Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
 Injection Volume: \_\_\_\_\_ GC Column: CLP-1 ID: 0.53 (mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 124316 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.010	U	0.050	0.010
319-84-6	alpha-BHC	0.010	U	0.050	0.010
319-85-7	beta-BHC	0.011	U	0.050	0.011
319-86-8	delta-BHC	0.0090	U	0.050	0.0090
58-89-9	gamma-BHC (Lindane)	0.012	U	0.050	0.012
57-74-9	Chlordane	0.33	U	0.50	0.33
72-54-8	4,4'-DDD	0.011	U	0.050	0.011
72-55-9	4,4'-DDE	0.0090	U	0.050	0.0090
50-29-3	4,4'-DDT	0.010	U	0.050	0.010
60-57-1	Dieldrin	0.0050	U	0.050	0.0050
959-98-8	Endosulfan I	0.0090	U	0.050	0.0090
33213-65-9	Endosulfan II	0.010	U	0.050	0.010
1031-07-8	Endosulfan sulfate	0.016	U	0.050	0.016
72-20-8	Endrin	0.010	U	0.050	0.010
7421-93-4	Endrin aldehyde	0.0090	U	0.050	0.0090
53494-70-5	Endrin ketone	0.011	U	0.050	0.011
76-44-8	Heptachlor	0.010	U	0.050	0.010
1024-57-3	Heptachlor epoxide	0.010	U	0.050	0.010
72-43-5	Methoxychlor	0.013	U	0.050	0.013
8001-35-2	Toxaphene	0.20	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		49-132
2051-24-3	DCB Decachlorobiphenyl	85		37-144

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705700.D  
Lab Smp Id: MB 460-123243/1-A  
Inj Date : 16-AUG-2012 16:28  
Operator : Inst ID: PESTGC4.i  
Smp Info : MB 460-123243/1-A  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 17-Aug-2012 07:51 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
ON-COL				FINAL					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	( ug/l )	TARGET RANGE	RATIO			
==	=====	=====	=====	=====	=====	=====	====	====	====
<hr/>									
\$ 28	Tetrachloro-m-xylene			CAS #: 877-09-8					
1.897	1.897	0.000	402223	96.4103	0.48	80.00-	120.00	100.00	
<hr/>									
\$ 30	Decachlorobiphenyl			CAS #: 2051-24-3					
8.947	8.947	0.000	241278	84.5814	0.42	80.00-	120.00	100.00	
<hr/>									

Data File: WR705700.D

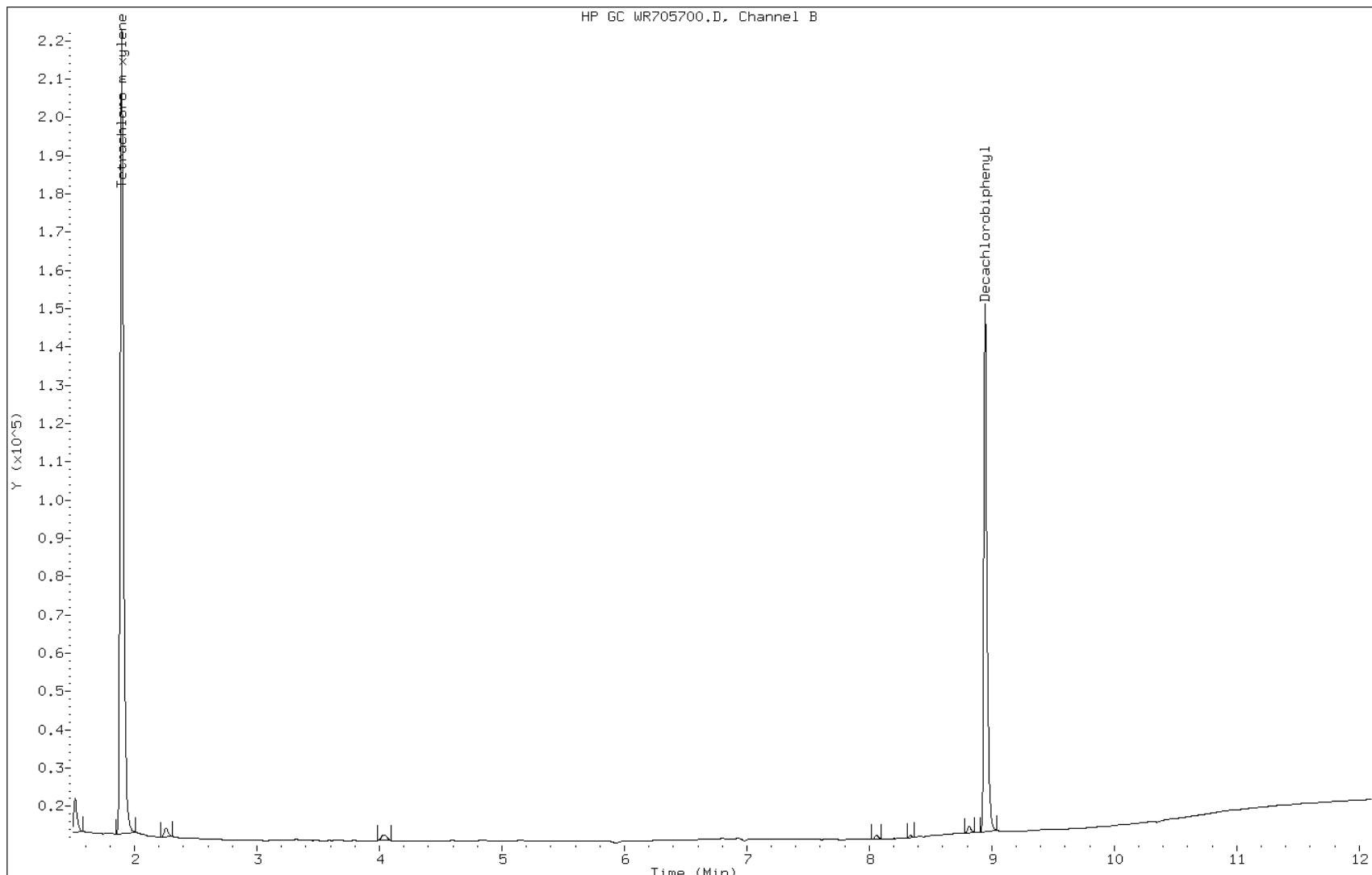
Date: 16-AUG-2012 16:28

Client ID:

Instrument: PESTGC4.i

Sample Info: MB 460-123243/1-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123232/2-A  
Matrix: Solid Lab File ID: WF705429.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 08:18  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123769 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	<i>Aldrin</i>	122		6.7	1.5
319-84-6	<i>alpha-BHC</i>	124		6.7	1.2
319-85-7	<i>beta-BHC</i>	123		6.7	0.91
319-86-8	<i>delta-BHC</i>	118		6.7	1.0
58-89-9	<i>gamma-BHC (Lindane)</i>	122		6.7	0.78
57-74-9	<i>Chlordane</i>	15	<i>U</i>	67	15
72-54-8	<i>4,4'-DDD</i>	129		6.7	0.80
72-55-9	<i>4,4'-DDE</i>	123		6.7	1.3
50-29-3	<i>4,4'-DDT</i>	120		6.7	0.84
60-57-1	<i>Dieldrin</i>	111		6.7	1.3
959-98-8	<i>Endosulfan I</i>	120		6.7	1.4
33213-65-9	<i>Endosulfan II</i>	117		6.7	1.0
1031-07-8	<i>Endosulfan sulfate</i>	113		6.7	0.86
72-20-8	<i>Endrin</i>	125		6.7	0.94
7421-93-4	<i>Endrin aldehyde</i>	120		6.7	1.7
53494-70-5	<i>Endrin ketone</i>	117		6.7	0.99
76-44-8	<i>Heptachlor</i>	127		6.7	0.96
1024-57-3	<i>Heptachlor epoxide</i>	119		6.7	1.4
72-43-5	<i>Methoxychlor</i>	133		6.7	0.75
8001-35-2	<i>Toxaphene</i>	14	<i>U</i>	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	110		40-150
2051-24-3	DCB Decachlorobiphenyl	104		53-150

Data File: WF705429.D  
Report Date: 13-Aug-2012 12:49

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705429.D  
Lab Smp Id: LCS 460-123232/2-A  
Inj Date : 13-AUG-2012 08:18  
Operator : Inst ID: PESTGC4.i  
Smp Info : LCS 460-123232/2  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08Wf8081.m  
Meth Date : 13-Aug-2012 12:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene						
2.383	2.383	0.000	230552	54.8885	36 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
2 alpha-BHC						
3.487	3.487	0.000	1078817	186.101	120 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
5 gamma-BHC (Lindane)						
4.207	4.207	0.000	978950	182.576	120 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
3 beta-BHC						
4.360	4.360	0.000	475713	183.994	120 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----
4 delta-BHC						
4.953	4.950	0.003	897451	177.640	120 80.00- 120.00	100.00
-----	-----	-----	-----	-----	-----	-----

Data File: WF705429.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor				CAS #: 76-44-8		
5.100	5.097	0.003	968360 190.061	130	80.00- 120.00	100.00
1 Aldrin				CAS #: 309-00-2		
5.787	5.787	0.000	928963 183.673	120	80.00- 120.00	100.00
18 Heptachlor epoxide				CAS #: 1024-57-3		
6.640	6.640	0.000	672014 178.094	120	80.00- 120.00	100.00
65 gamma-Chlordane				CAS #: 5103-74-2		
6.837	6.837	0.000	678681 180.353	120	80.00- 120.00	100.00
66 alpha-Chlordane				CAS #: 5103-71-9		
6.993	6.993	0.000	642398 181.064	120	80.00- 120.00	100.00
11 Endosulfan I				CAS #: 959-98-8		
7.063	7.063	0.000	631455 180.326	120	80.00- 120.00	100.00
8 4,4'-DDE				CAS #: 72-55-9		
7.150	7.150	0.000	670891 184.151	120	80.00- 120.00	100.00
10 Dieldrin				CAS #: 60-57-1		
7.360	7.363	-0.003	621259 167.152	110	80.00- 120.00	100.00
14 Endrin				CAS #: 72-20-8		
7.707	7.710	-0.003	605836 188.009	120	80.00- 120.00	100.00
7 4,4'-DDD				CAS #: 72-54-8		
7.793	7.793	0.000	567214 194.237	130	80.00- 120.00	100.00
12 Endosulfan II				CAS #: 33213-65-9		
7.943	7.947	-0.004	563606 175.100	120	80.00- 120.00	100.00
9 4,4'-DDT				CAS #: 50-29-3		
8.157	8.157	0.000	541040 180.625	120	80.00- 120.00	100.00
15 Endrin aldehyde				CAS #: 7421-93-4		
8.310	8.310	0.000	416587 179.624	120	80.00- 120.00	100.00
13 Endosulfan sulfate				CAS #: 1031-07-8		
8.543	8.547	-0.004	423922 169.890	110	80.00- 120.00	100.00
19 Methoxychlor				CAS #: 72-43-5		
8.730	8.730	0.000	248393 200.000	130	80.00- 120.00	100.00
16 Endrin ketone				CAS #: 53494-70-5		
8.940	8.940	0.000	496548 175.888	120	80.00- 120.00	100.00

Data File: WF705429.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL	FINAL			
			=====	=====	=====		
\$ 30	Decachlorobiphenyl		CAS #:	2051-24-3			
9.940	9.940	0.000	145349	51.8401	34	80.00- 120.00	100.00

-----

Data File: WF705429.D

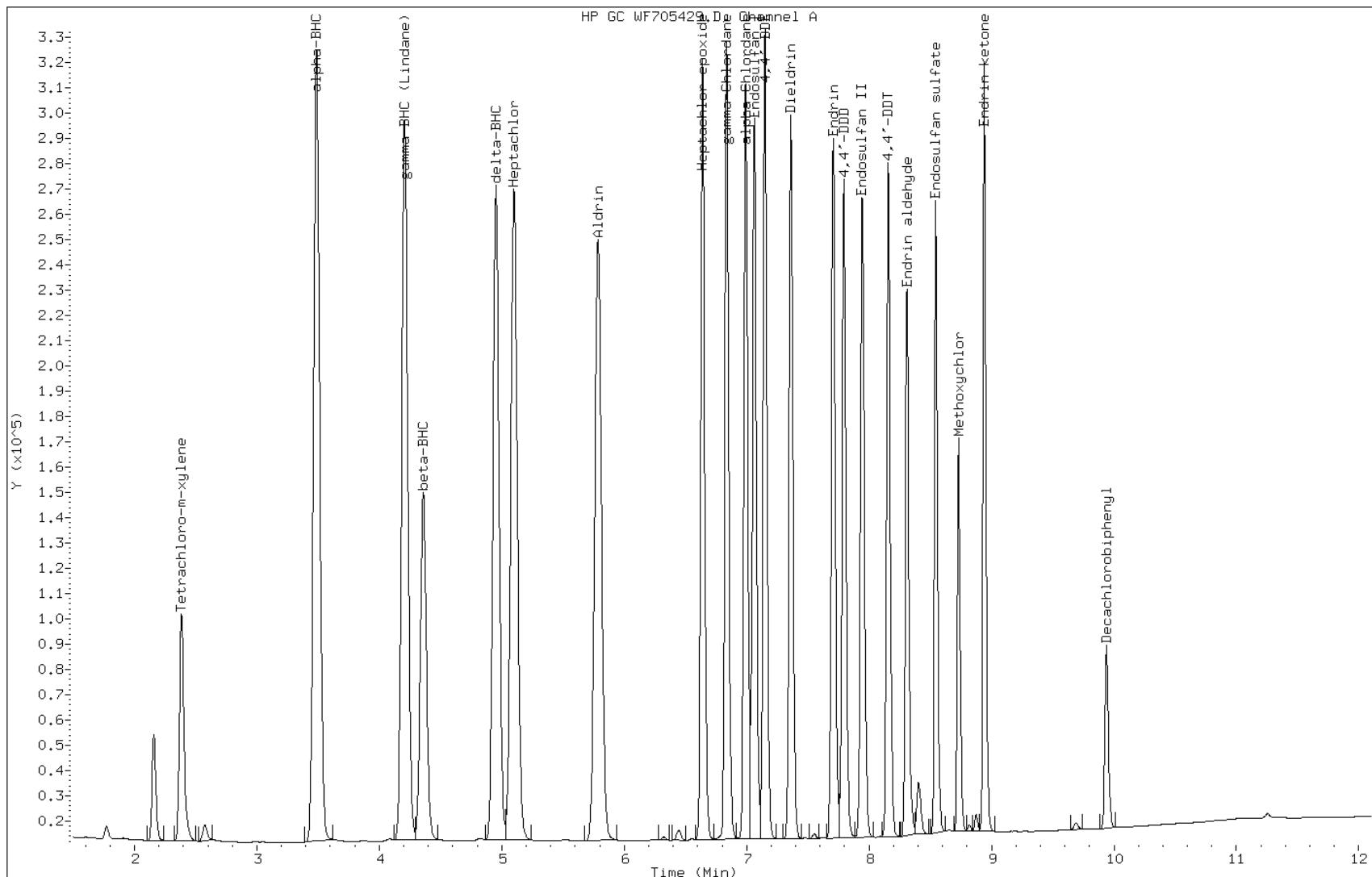
Date: 13-AUG-2012 08:18

Client ID:

Instrument: PESTGC4.i

Sample Info: LCS 460-123232/2

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123232/2-A  
 Matrix: Solid Lab File ID: WR705429.D  
 Analysis Method: 8081A Date Collected: \_\_\_\_\_  
 Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
 Sample wt/vol: 15.00(g) Date Analyzed: 08/13/2012 08:18  
 Con. Extract Vol.: 10(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) GC Column: CLP-1 ID: 0.53(mm)  
 % Moisture: \_\_\_\_\_ GPC Cleanup:(Y/N) N  
 Analysis Batch No.: 123769 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	125		6.7	1.5
319-84-6	alpha-BHC	122		6.7	1.2
319-85-7	beta-BHC	123		6.7	0.91
319-86-8	delta-BHC	117		6.7	1.0
58-89-9	gamma-BHC (Lindane)	124		6.7	0.78
57-74-9	Chlordane	15	U	67	15
72-54-8	4,4'-DDD	130		6.7	0.80
72-55-9	4,4'-DDE	128		6.7	1.3
50-29-3	4,4'-DDT	130		6.7	0.84
60-57-1	Dieldrin	113		6.7	1.3
959-98-8	Endosulfan I	124		6.7	1.4
33213-65-9	Endosulfan II	118		6.7	1.0
1031-07-8	Endosulfan sulfate	116		6.7	0.86
72-20-8	Endrin	132		6.7	0.94
7421-93-4	Endrin aldehyde	124		6.7	1.7
53494-70-5	Endrin ketone	126		6.7	0.99
76-44-8	Heptachlor	134		6.7	0.96
1024-57-3	Heptachlor epoxide	124		6.7	1.4
72-43-5	Methoxychlor	139		6.7	0.75
8001-35-2	Toxaphene	14	U	67	14

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	112		40-150
2051-24-3	DCB Decachlorobiphenyl	112		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705429.D  
Lab Smp Id: LCS 460-123232/2-A  
Inj Date : 13-AUG-2012 08:18  
Operator : Inst ID: PESTGC4.i  
Smp Info : LCS 460-123232/2  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE
==	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8	
1.900	1.897	0.003	233459	55.9587	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
2 alpha-BHC				CAS #: 319-84-6	
2.453	2.450	0.003	1010033	183.534	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
5 gamma-BHC (Lindane)				CAS #: 58-89-9	
2.930	2.930	0.000	968808	185.519	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
3 beta-BHC				CAS #: 319-85-7	
3.097	3.093	0.004	468357	183.832	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
4 delta-BHC				CAS #: 319-86-8	
3.410	3.407	0.003	858226	175.846	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor			CAS #:	76-44-8		
3.797	3.793	0.004	905109	200.805	80.00- 120.00	100.00(aR)
1 Aldrin			CAS #:	309-00-2		
4.340	4.337	0.003	861005	187.114	80.00- 120.00	100.00(aR)
18 Heptachlor epoxide			CAS #:	1024-57-3		
5.457	5.457	0.000	802973	186.056	80.00- 120.00	100.00(aR)
65 gamma-Chlordane			CAS #:	5103-74-2		
5.700	5.703	-0.003	841308	186.363	80.00- 120.00	100.00(aR)
66 alpha-Chlordane			CAS #:	5103-71-9		
5.963	5.963	0.000	786131	183.328	80.00- 120.00	100.00(aR)
8 4,4'-DDE			CAS #:	72-55-9		
6.090	6.090	0.000	774565	192.696	80.00- 120.00	100.00(aR)
11 Endosulfan I			CAS #:	959-98-8		
6.183	6.183	0.000	715878	186.475	80.00- 120.00	100.00(aR)
10 Dieldrin			CAS #:	60-57-1		
6.480	6.483	-0.003	667090	169.447	80.00- 120.00	100.00(aR)
14 Endrin			CAS #:	72-20-8		
6.727	6.727	0.000	641605	198.067	80.00- 120.00	100.00(aR)
7 4,4'-DDD			CAS #:	72-54-8		
6.790	6.790	0.000	630593	195.235	80.00- 120.00	100.00(aR)
12 Endosulfan II			CAS #:	33213-65-9		
6.950	6.950	0.000	600265	177.158	80.00- 120.00	100.00(aR)
9 4,4'-DDT			CAS #:	50-29-3		
7.073	7.073	0.000	631065	194.932	80.00- 120.00	100.00(aR)
15 Endrin aldehyde			CAS #:	7421-93-4		
7.387	7.387	0.000	501168	186.346	80.00- 120.00	100.00(aR)
19 Methoxychlor			CAS #:	72-43-5		
7.583	7.583	0.000	314268	207.752	80.00- 120.00	100.00(aR)
13 Endosulfan sulfate			CAS #:	1031-07-8		
7.857	7.860	-0.003	524568	174.148	80.00- 120.00	100.00(aR)
16 Endrin ketone			CAS #:	53494-70-5		
8.167	8.167	0.000	605955	189.156	80.00- 120.00	100.00(aR)

RT	EXP RT	DLT RT	CONCENTRATIONS			RATIO
			ON-COL	FINAL	TARGET RANGE	
			=====	=====	=====	
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3			
8.950	8.950	0.000	160189 56.1552	80.00- 120.00	100.00(aR)	

QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).  
R - Spike/Surrogate failed recovery limits.

Data File: WR705429.D

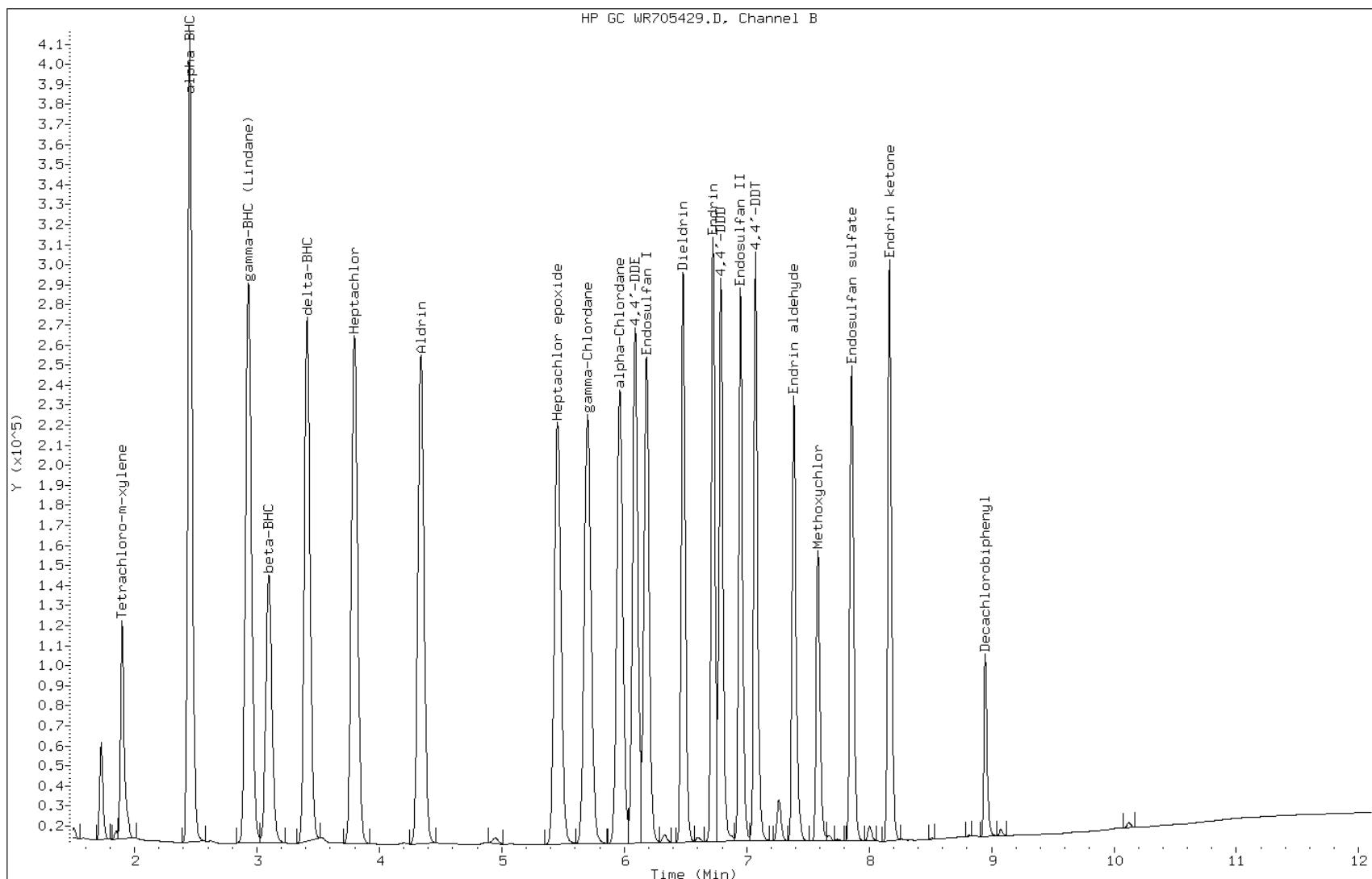
Date: 13-AUG-2012 08:18

Client ID:

Instrument: PESTGC4.i

Sample Info: LCS 460-123232/2

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123243/2-A  
Matrix: Water Lab File ID: WF705692.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/16/2012 14:37  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume: \_\_\_\_\_ GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124316 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.90		0.050	0.010
319-84-6	alpha-BHC	2.03		0.050	0.010
319-85-7	beta-BHC	1.99		0.050	0.011
319-86-8	delta-BHC	1.95		0.050	0.0090
58-89-9	gamma-BHC (Lindane)	1.99		0.050	0.012
57-74-9	Chlordane	0.33	U	0.50	0.33
72-54-8	4,4'-DDD	1.98		0.050	0.011
72-55-9	4,4'-DDE	1.94		0.050	0.0090
50-29-3	4,4'-DDT	1.60		0.050	0.010
60-57-1	Dieldrin	1.81		0.050	0.0050
959-98-8	Endosulfan I	1.96		0.050	0.0090
33213-65-9	Endosulfan II	1.92		0.050	0.010
1031-07-8	Endosulfan sulfate	1.91		0.050	0.016
72-20-8	Endrin	1.99		0.050	0.010
7421-93-4	Endrin aldehyde	1.89		0.050	0.0090
53494-70-5	Endrin ketone	1.98		0.050	0.011
76-44-8	Heptachlor	1.20		0.050	0.010
1024-57-3	Heptachlor epoxide	1.93		0.050	0.010
72-43-5	Methoxychlor	1.35		0.050	0.013
8001-35-2	Toxaphene	0.20	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	102		49-132
2051-24-3	DCB Decachlorobiphenyl	83		37-144

Data File: WF705692.D  
Report Date: 17-Aug-2012 10:22

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705692.D  
Lab Smp Id: LCS 460-123243/2-A  
Inj Date : 16-AUG-2012 14:37  
Operator : Inst ID: PESTGC4.i  
Smp Info : LCS 460-123243/2  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 17-Aug-2012 07:55 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL RESPONSE ( ug/L )	FINAL ( ug/l )	TARGET RANGE	RATIO
2.380	2.383	-0.003	428822	102.092	0.51 80.00- 120.00	100.00
3.483	3.487	-0.004	2355363	406.310	2.0 80.00- 120.00	100.00
4.203	4.207	-0.004	2131805	397.586	2.0 80.00- 120.00	100.00
4.357	4.360	-0.003	1030578	398.602	2.0 80.00- 120.00	100.00
4.950	4.953	-0.003	1970148	389.967	1.9 80.00- 120.00	100.00

Data File: WF705692.D  
Report Date: 17-Aug-2012 10:22

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO	
			ON-COL	FINAL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
5.093	5.100	-0.007	1225269	240.485	1.2	80.00- 120.00	100.00(R)
1 Aldrin			CAS #:	309-00-2			
5.780	5.787	-0.007	1918988	379.419	1.9	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.637	6.640	-0.003	1457914	386.370	1.9	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
6.833	6.837	-0.004	1486213	394.947	2.0	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
6.990	6.990	0.000	1385313	390.460	2.0	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
7.060	7.063	-0.003	1375828	392.899	2.0	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
7.147	7.147	0.000	1410345	387.122	1.9	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
7.360	7.360	0.000	1344633	361.779	1.8	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
7.703	7.707	-0.004	1281427	397.665	2.0	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
7.790	7.793	-0.003	1156598	396.066	2.0	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
7.943	7.943	0.000	1237791	384.554	1.9	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
8.153	8.157	-0.004	959684	320.388	1.6	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
8.307	8.307	0.000	877363	378.301	1.9	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.543	8.543	0.000	951803	381.441	1.9	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
8.727	8.730	-0.003	335980	270.524	1.4	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	1119456	396.535	2.0	80.00- 120.00	100.00

Data File: WF705692.D  
Report Date: 17-Aug-2012 10:22

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL		FINAL		
			RESPONSE ( ug/L)	( ug/l)	=====		
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3				
9.937	9.937	0.000	233104	83.1387	0.42	80.00- 120.00	100.00

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: WF705692.D

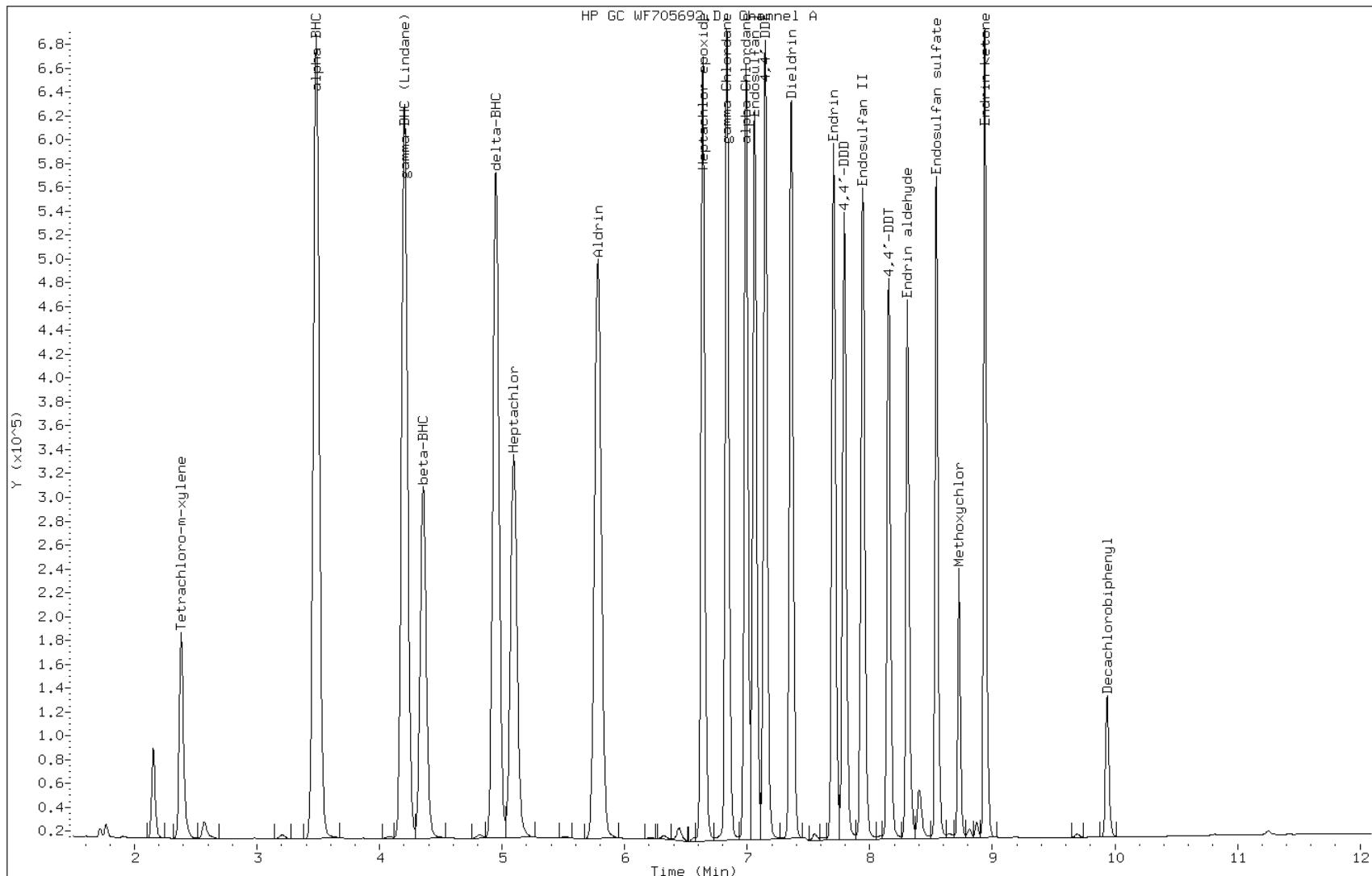
Date: 16-AUG-2012 14:37

Client ID:

Instrument: PESTGC4.i

Sample Info: LCS 460-123243/2

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 460-123243/2-A  
Matrix: Water Lab File ID: WR705692.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/16/2012 14:37  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume: \_\_\_\_\_ GC Column: CLP-1 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124316 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.84		0.050	0.010
319-84-6	alpha-BHC	1.88		0.050	0.010
319-85-7	beta-BHC	1.86		0.050	0.011
319-86-8	delta-BHC	1.80		0.050	0.0090
58-89-9	gamma-BHC (Lindane)	1.89		0.050	0.012
57-74-9	Chlordane	0.33	U	0.50	0.33
72-54-8	4,4'-DDD	1.95		0.050	0.011
72-55-9	4,4'-DDE	1.89		0.050	0.0090
50-29-3	4,4'-DDT	1.64		0.050	0.010
60-57-1	Dieldrin	1.73		0.050	0.0050
959-98-8	Endosulfan I	1.92		0.050	0.0090
33213-65-9	Endosulfan II	1.78		0.050	0.010
1031-07-8	Endosulfan sulfate	1.77		0.050	0.016
72-20-8	Endrin	2.00		0.050	0.010
7421-93-4	Endrin aldehyde	1.86		0.050	0.0090
53494-70-5	Endrin ketone	1.93		0.050	0.011
76-44-8	Heptachlor	1.34		0.050	0.010
1024-57-3	Heptachlor epoxide	1.85		0.050	0.010
72-43-5	Methoxychlor	1.43		0.050	0.013
8001-35-2	Toxaphene	0.20	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	98		49-132
2051-24-3	DCB Decachlorobiphenyl	86		37-144

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705692.D  
Lab Smp Id: LCS 460-123243/2-A  
Inj Date : 16-AUG-2012 14:37  
Operator : Inst ID: PESTGC4.i  
Smp Info : LCS 460-123243/2  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 17-Aug-2012 07:51 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 QC Sample: BS  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL	FINAL	RESPONSE ( ug/L)	( ug/l)
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene					CAS #: 877-09-8	
1.897	1.897	0.000	407625	97.7051	0.49	80.00- 120.00
						100.00
2 alpha-BHC					CAS #: 319-84-6	
2.447	2.450	-0.003	2067107	375.616	1.9	80.00- 120.00
						100.00
5 gamma-BHC (Lindane)					CAS #: 58-89-9	
2.923	2.927	-0.004	1973655	377.938	1.9	80.00- 120.00
						100.00
3 beta-BHC					CAS #: 319-85-7	
3.090	3.093	-0.003	949036	372.500	1.9	80.00- 120.00
						100.00
4 delta-BHC					CAS #: 319-86-8	
3.403	3.407	-0.004	1755801	359.755	1.8	80.00- 120.00
						100.00

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO	
			ON-COL	FINAL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
3.787	3.793	-0.006	1208445	268.102	1.3	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
4.333	4.337	-0.004	1695927	368.559	1.8	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
5.450	5.453	-0.003	1596019	369.811	1.8	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
5.693	5.700	-0.007	1705401	377.774	1.9	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
5.960	5.963	-0.003	1525958	355.857	1.8	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
6.087	6.087	0.000	1518838	377.856	1.9	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
6.177	6.180	-0.003	1477068	384.753	1.9	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
6.477	6.480	-0.003	1364130	346.502	1.7	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
6.720	6.723	-0.003	1296610	400.271	2.0	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
6.787	6.790	-0.003	1262248	390.800	2.0	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
6.947	6.947	0.000	1204722	355.553	1.8	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
7.070	7.070	0.000	1058843	327.069	1.6	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
7.383	7.383	0.000	1000531	372.020	1.9	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
7.577	7.580	-0.003	432189	285.705	1.4	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
7.853	7.853	0.000	1067055	354.245	1.8	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.163	8.163	0.000	1239246	386.845	1.9	80.00- 120.00	100.00

Data File: WR705692.D  
Report Date: 17-Aug-2012 10:22

Page 3

RT	EXP RT	DLT RT	CONCENTRATIONS			RATIO
			ON-COL		FINAL	
			RESPONSE ( ug/L)	( ug/l)	TARGET RANGE	
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl			CAS #:	2051-24-3		
8.947	8.947	0.000	244591	85.7428	0.43	80.00- 120.00 100.00

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Data File: WR705692.D

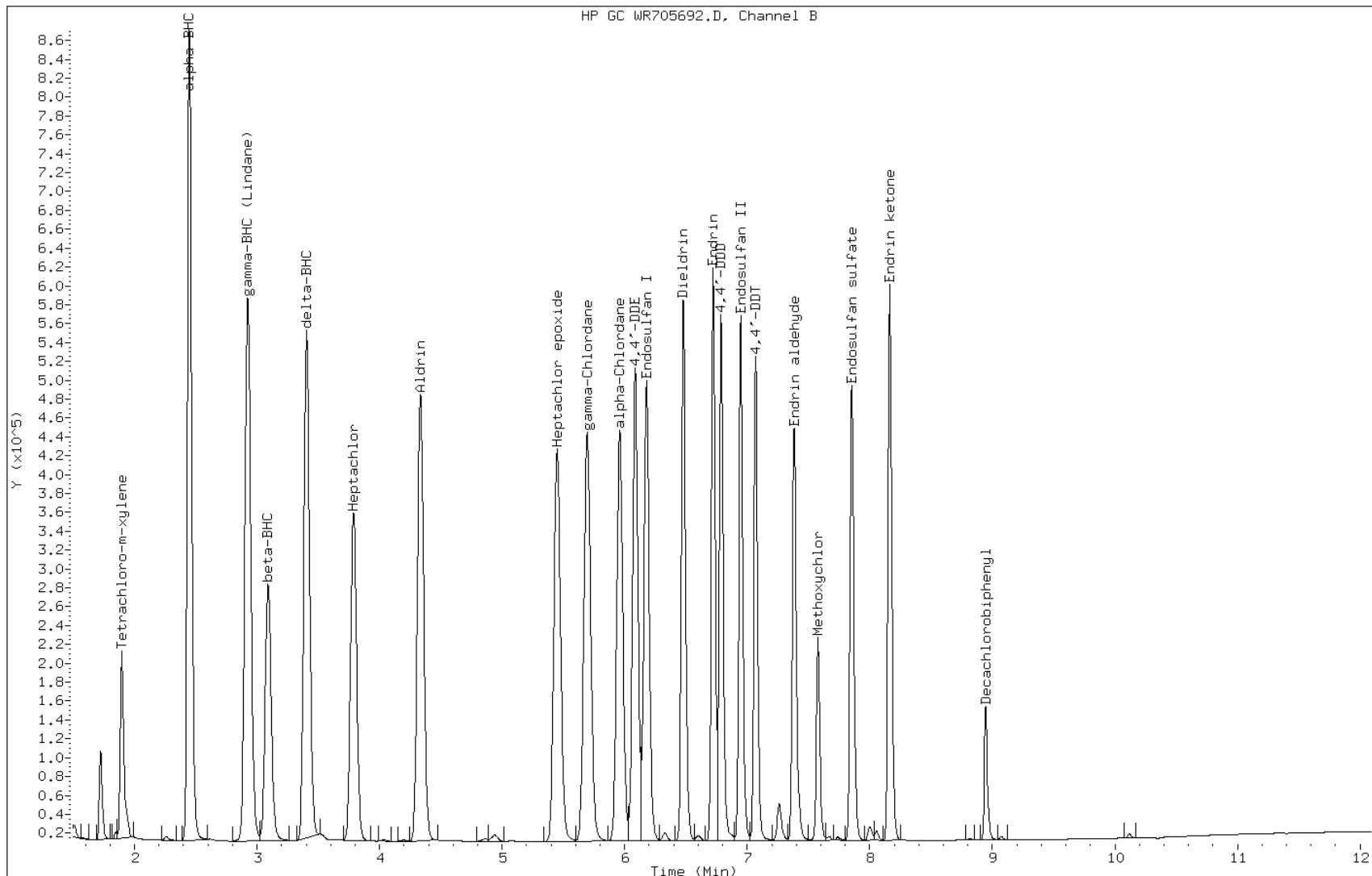
Date: 16-AUG-2012 14:37

Client ID:

Instrument: PESTGC4.i

Sample Info: LCS 460-123243/2

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-123243/3-A  
Matrix: Water Lab File ID: WF705693.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/16/2012 14:51  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume: \_\_\_\_\_ GC Column: CLP-2 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124316 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.97		0.050	0.010
319-84-6	alpha-BHC	2.15		0.050	0.010
319-85-7	beta-BHC	2.11		0.050	0.011
319-86-8	delta-BHC	2.06		0.050	0.0090
58-89-9	gamma-BHC (Lindane)	2.10		0.050	0.012
57-74-9	Chlordane	0.33	U	0.50	0.33
72-54-8	4,4'-DDD	2.03		0.050	0.011
72-55-9	4,4'-DDE	1.96		0.050	0.0090
50-29-3	4,4'-DDT	1.65		0.050	0.010
60-57-1	Dieldrin	1.89		0.050	0.0050
959-98-8	Endosulfan I	2.05		0.050	0.0090
33213-65-9	Endosulfan II	2.02		0.050	0.010
1031-07-8	Endosulfan sulfate	2.00		0.050	0.016
72-20-8	Endrin	2.07		0.050	0.010
7421-93-4	Endrin aldehyde	1.99		0.050	0.0090
53494-70-5	Endrin ketone	2.07		0.050	0.011
76-44-8	Heptachlor	1.40		0.050	0.010
1024-57-3	Heptachlor epoxide	2.04		0.050	0.010
72-43-5	Methoxychlor	1.44		0.050	0.013
8001-35-2	Toxaphene	0.20	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	107		49-132
2051-24-3	DCB Decachlorobiphenyl	69		37-144

Data File: WF705693.D  
Report Date: 17-Aug-2012 10:22

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/WF705693.D  
Lab Smp Id: LCSD 460-123243/3-A  
Inj Date : 16-AUG-2012 14:51  
Operator : Inst ID: PESTGC4.i  
Smp Info : LCSD 460-123243/3  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-16-12/16aug12a.b/08Wf8081.m  
Meth Date : 17-Aug-2012 07:55 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 QC Sample: BSD  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
	ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE ( ug/L)	( ug/l)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	====
\$ 28 Tetrachloro-m-xylene						
2.380	2.383	-0.003	447973	106.651	0.53 80.00- 120.00	100.00
-----						
2 alpha-BHC						
3.480	3.487	-0.007	2490231	429.576	2.1 80.00- 120.00	100.00
-----						
5 gamma-BHC (Lindane)						
4.203	4.207	-0.004	2251775	419.960	2.1 80.00- 120.00	100.00
-----						
3 beta-BHC						
4.357	4.360	-0.003	1090873	421.923	2.1 80.00- 120.00	100.00
-----						
4 delta-BHC						
4.950	4.953	-0.003	2081137	411.936	2.0 80.00- 120.00	100.00
-----						

Data File: WF705693.D  
Report Date: 17-Aug-2012 10:22

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO	
			ON-COL	FINAL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
5.093	5.100	-0.007	1423819	279.455	1.4	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
5.783	5.787	-0.004	1995120	394.471	2.0	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.640	6.640	0.000	1537388	407.432	2.0	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
6.837	6.837	0.000	1545891	410.806	2.0	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
6.990	6.990	0.000	1448369	408.233	2.0	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
7.063	7.063	0.000	1433276	409.305	2.0	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
7.147	7.147	0.000	1428100	391.996	2.0	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
7.360	7.360	0.000	1407304	378.641	1.9	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
7.707	7.707	0.000	1334082	414.006	2.1	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
7.793	7.793	0.000	1185037	405.805	2.0	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
7.943	7.943	0.000	1300457	404.024	2.0	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
8.153	8.157	-0.004	987734	329.752	1.6	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
8.307	8.307	0.000	923903	398.368	2.0	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.543	8.543	0.000	996373	399.303	2.0	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
8.727	8.730	-0.003	358112	288.344	1.4	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	1168769	414.003	2.1	80.00- 120.00	100.00

Data File: WF705693.D  
Report Date: 17-Aug-2012 10:22

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL		FINAL		
			RESPONSE ( ug/L)	( ug/l)	=====		
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3				
9.937	9.937	0.000	193835	69.1331	0.34	80.00- 120.00	100.00

-----

Data File: WF705693.D

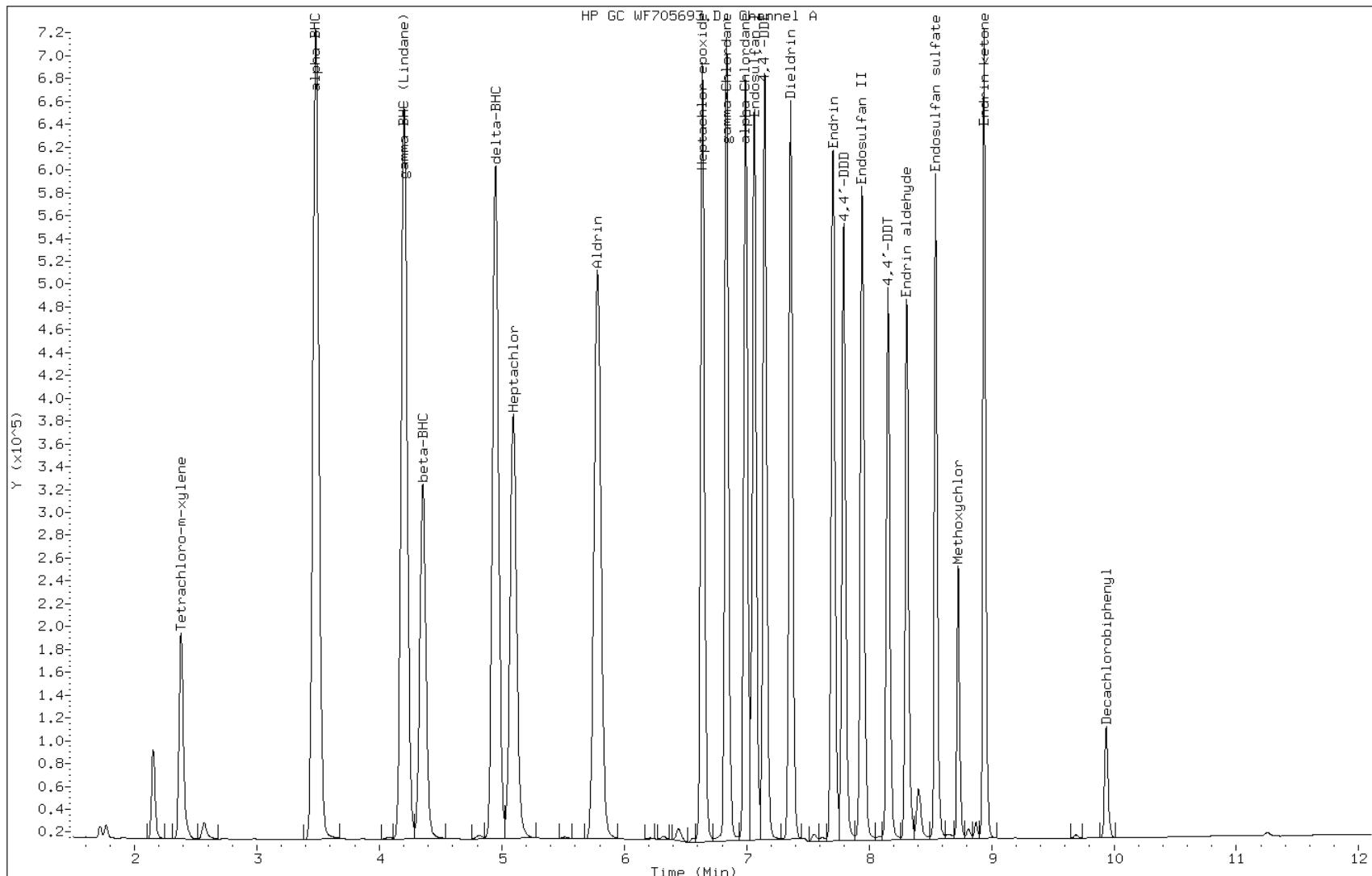
Date: 16-AUG-2012 14:51

Client ID:

Instrument: PESTGC4.i

Sample Info: LCSD 460-123243/3

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 460-123243/3-A  
Matrix: Water Lab File ID: WR705693.D  
Analysis Method: 8081A Date Collected: \_\_\_\_\_  
Extraction Method: 3510C Date Extracted: 08/09/2012 10:08  
Sample wt/vol: 1000 (mL) Date Analyzed: 08/16/2012 14:51  
Con. Extract Vol.: 5 (mL) Dilution Factor: 1  
Injection Volume: \_\_\_\_\_ GC Column: CLP-1 ID: 0.53 (mm)  
% Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
Analysis Batch No.: 124316 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	1.89		0.050	0.010
319-84-6	alpha-BHC	1.98		0.050	0.010
319-85-7	beta-BHC	1.97		0.050	0.011
319-86-8	delta-BHC	1.95		0.050	0.0090
58-89-9	gamma-BHC (Lindane)	1.99		0.050	0.012
57-74-9	Chlordane	0.33	U	0.50	0.33
72-54-8	4,4'-DDD	2.04		0.050	0.011
72-55-9	4,4'-DDE	1.88		0.050	0.0090
50-29-3	4,4'-DDT	1.75		0.050	0.010
60-57-1	Dieldrin	1.80		0.050	0.0050
959-98-8	Endosulfan I	2.01		0.050	0.0090
33213-65-9	Endosulfan II	1.85		0.050	0.010
1031-07-8	Endosulfan sulfate	1.84		0.050	0.016
72-20-8	Endrin	2.05		0.050	0.010
7421-93-4	Endrin aldehyde	1.94		0.050	0.0090
53494-70-5	Endrin ketone	2.01		0.050	0.011
76-44-8	Heptachlor	1.53		0.050	0.010
1024-57-3	Heptachlor epoxide	1.94		0.050	0.010
72-43-5	Methoxychlor	1.61		0.050	0.013
8001-35-2	Toxaphene	0.20	U	0.50	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	101		49-132
2051-24-3	DCB Decachlorobiphenyl	72		37-144

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/WR705693.D  
Lab Smp Id: LCSD 460-123243/3-A  
Inj Date : 16-AUG-2012 14:51  
Operator : Inst ID: PESTGC4.i  
Smp Info : LCSD 460-123243/3  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b/08Wr8081.m  
Meth Date : 17-Aug-2012 07:51 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 QC Sample: BSD  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: WATER  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/Vo \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	ON-COL RESPONSE ( ug/L )	FINAL ( ug/l )	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8		
1.897	1.897	0.000	423240	101.448	0.51 80.00- 120.00	100.00
-----						
2 alpha-BHC				CAS #: 319-84-6		
2.447	2.450	-0.003	2175945	395.394	2.0 80.00- 120.00	100.00
-----						
5 gamma-BHC (Lindane)				CAS #: 58-89-9		
2.923	2.927	-0.004	2081452	398.581	2.0 80.00- 120.00	100.00
-----						
3 beta-BHC				CAS #: 319-85-7		
3.090	3.093	-0.003	1003826	394.005	2.0 80.00- 120.00	100.00
-----						
4 delta-BHC				CAS #: 319-86-8		
3.400	3.407	-0.007	1908257	390.993	2.0 80.00- 120.00	100.00
-----						

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO	
			ON-COL	FINAL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
3.787	3.793	-0.006	1376275	305.337	1.5	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
4.333	4.337	-0.004	1739122	377.946	1.9	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
5.450	5.453	-0.003	1670491	387.067	1.9	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
5.697	5.700	-0.003	1758591	389.556	1.9	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
5.963	5.963	0.000	1541901	359.575	1.8	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
6.087	6.087	0.000	1514864	376.867	1.9	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
6.180	6.180	0.000	1540131	401.180	2.0	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
6.480	6.480	0.000	1416635	359.839	1.8	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
6.723	6.723	0.000	1330969	410.878	2.0	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
6.790	6.790	0.000	1314956	407.119	2.0	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
6.950	6.947	0.003	1250550	369.078	1.8	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
7.070	7.070	0.000	1131177	349.413	1.7	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
7.383	7.383	0.000	1040819	387.000	1.9	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
7.580	7.580	0.000	486748	321.772	1.6	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
7.853	7.853	0.000	1111476	368.992	1.8	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.163	8.163	0.000	1289802	402.627	2.0	80.00- 120.00	100.00

Data File: WR705693.D  
Report Date: 17-Aug-2012 10:22

Page 3

RT	EXP RT	DLT RT	CONCENTRATIONS			RATIO
			ON-COL		FINAL	
			RESPONSE ( ug/L)	( ug/l)	TARGET RANGE	
==	=====	=====	=====	=====	=====	=====
\$ 30 Decachlorobiphenyl			CAS #:	2051-24-3		
8.947	8.947	0.000	205518	72.0456	0.36 80.00- 120.00	100.00

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Data File: WR705693.D

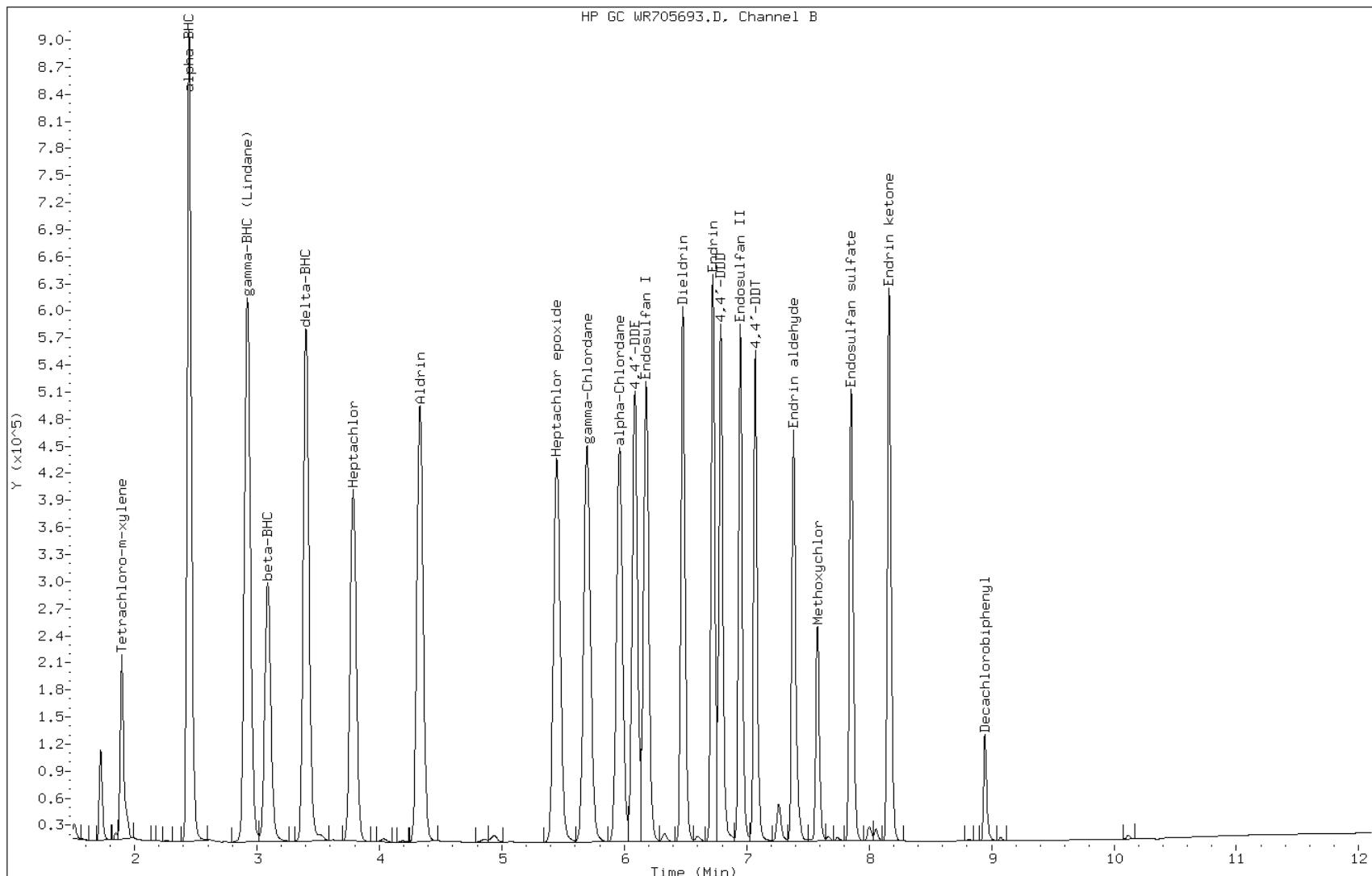
Date: 16-AUG-2012 14:51

Client ID:

Instrument: PESTGC4.i

Sample Info: LCSD 460-123243/3

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-435V0-2N MS</u>	Lab Sample ID: <u>460-43235-4 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WF705430.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>08/07/2012 10:40</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>08/09/2012 08:35</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>08/13/2012 08:31</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-2</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>19.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123769</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	<i>Aldrin</i>	157		8.3	1.8
319-84-6	<i>alpha-BHC</i>	159		8.3	1.5
319-85-7	<i>beta-BHC</i>	156		8.3	1.1
319-86-8	<i>delta-BHC</i>	152		8.3	1.3
58-89-9	<i>gamma-BHC (Lindane)</i>	155		8.3	0.97
57-74-9	<i>Chlordane</i>	18	<i>U</i>	83	18
72-54-8	<i>4,4'-DDD</i>	241		8.3	0.99
72-55-9	<i>4,4'-DDE</i>	176		8.3	1.6
50-29-3	<i>4,4'-DDT</i>	158		8.3	1.0
60-57-1	<i>Dieldrin</i>	165		8.3	1.6
959-98-8	<i>Endosulfan I</i>	154		8.3	1.8
33213-65-9	<i>Endosulfan II</i>	152		8.3	1.3
1031-07-8	<i>Endosulfan sulfate</i>	149		8.3	1.1
72-20-8	<i>Endrin</i>	162		8.3	1.2
7421-93-4	<i>Endrin aldehyde</i>	156		8.3	2.1
76-44-8	<i>Heptachlor</i>	162		8.3	1.2
1024-57-3	<i>Heptachlor epoxide</i>	153		8.3	1.7
8001-35-2	<i>Toxaphene</i>	17	<i>U</i>	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	109		40-150
2051-24-3	DCB Decachlorobiphenyl	105		53-150

Data File: WF705430.D  
Report Date: 13-Aug-2012 12:49

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705430.D  
Lab Smp Id: 460-43235-E-4-AMS  
Inj Date : 13-AUG-2012 08:31  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-4-A  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08Wf8081.m  
Meth Date : 13-Aug-2012 12:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1 QC Sample: MS  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
2.383	2.383	0.000	229096	54.5419	36 80.00- 120.00	100.00
3.483	3.487	-0.004	1114527	192.261	130 80.00- 120.00	100.00
4.203	4.207	-0.004	1005260	187.483	120 80.00- 120.00	100.00
4.357	4.360	-0.003	485518	187.786	120 80.00- 120.00	100.00
4.950	4.950	0.000	925598	183.211	120 80.00- 120.00	100.00

Data File: WF705430.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor			CAS #:	76-44-8		
5.097	5.097	0.000	996114	195.509	130 80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2		
5.783	5.787	-0.004	958673	189.547	130 80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3		
6.640	6.640	0.000	694552	184.067	120 80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2		
6.837	6.837	0.000	710512	188.812	120 80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9		
6.993	6.993	0.000	663213	186.931	120 80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8		
7.063	7.063	0.000	651502	186.051	120 80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9		
7.150	7.150	0.000	775690	212.917	140 80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1		
7.363	7.363	0.000	738474	198.689	130 80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8		
7.707	7.710	-0.003	629514	195.357	130 80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8		
7.793	7.793	0.000	850233	291.155	190 80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9		
7.947	7.947	0.000	589629	183.185	120 80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3		
8.157	8.157	0.000	571853	190.911	130 80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4		
8.310	8.310	0.000	435624	187.832	120 80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8		
8.543	8.547	-0.004	449827	180.271	120 80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5		
8.730	8.730	0.000	266662	214.710	140 80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5		
8.940	8.940	0.000	522610	185.119	120 80.00- 120.00	100.00

Data File: WF705430.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL	FINAL			
			=====	=====	=====		
\$ 30	Decachlorobiphenyl		CAS #:	2051-24-3			
9.940	9.940	0.000	146895	52.3915	35	80.00- 120.00	100.00

-----

Data File: WF705430.D

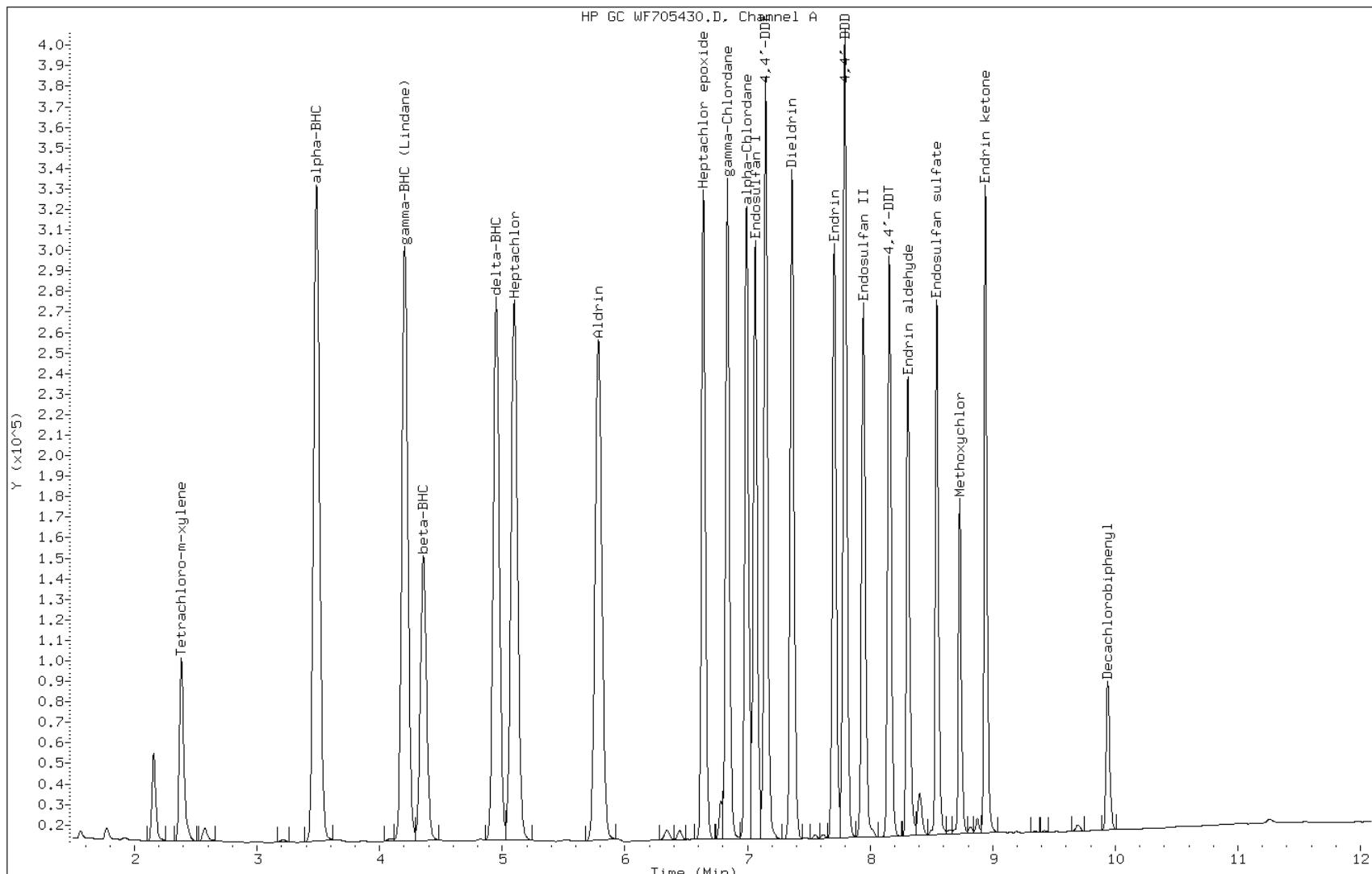
Date: 13-AUG-2012 08:31

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-43235-E-4-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-435V0-2N MS</u>	Lab Sample ID: <u>460-43235-4 MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WR705430.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>08/07/2012 10:40</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>08/09/2012 08:35</u>
Sample wt/vol: <u>15.01(g)</u>	Date Analyzed: <u>08/13/2012 08:31</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>19.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123769</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	162		8.3	1.8
319-84-6	<i>alpha</i> -BHC	158		8.3	1.5
319-85-7	<i>beta</i> -BHC	156		8.3	1.1
319-86-8	<i>delta</i> -BHC	151		8.3	1.3
58-89-9	gamma-BHC (Lindane)	160		8.3	0.97
57-74-9	Chlordane	18	U	83	18
72-54-8	4,4'-DDD	242		8.3	0.99
72-55-9	4,4'-DDE	183		8.3	1.6
50-29-3	4,4'-DDT	170		8.3	1.0
60-57-1	<i>Dieldrin</i>	145		8.3	1.6
959-98-8	Endosulfan I	162		8.3	1.8
33213-65-9	Endosulfan II	153		8.3	1.3
1031-07-8	Endosulfan sulfate	148		8.3	1.1
72-20-8	Endrin	172		8.3	1.2
7421-93-4	Endrin aldehyde	160		8.3	2.1
53494-70-5	Endrin ketone	163		8.3	1.2
76-44-8	Heptachlor	172		8.3	1.2
1024-57-3	Heptachlor epoxide	168		8.3	1.7
72-43-5	Methoxychlor	179		8.3	0.93
8001-35-2	Toxaphene	17	U	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	114		40-150
2051-24-3	DCB Decachlorobiphenyl	114		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705430.D  
Lab Smp Id: 460-43235-E-4-AMS  
Inj Date : 13-AUG-2012 08:31  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-4-A  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1 QC Sample: MS  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE
==	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8	
1.897	1.897	0.000	236898	56.7830	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
2 alpha-BHC				CAS #: 319-84-6	
2.450	2.450	0.000	1045872	190.047	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
5 gamma-BHC (Lindane)				CAS #: 58-89-9	
2.927	2.930	-0.003	1007506	192.929	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
3 beta-BHC				CAS #: 319-85-7	
3.093	3.093	0.000	479523	188.214	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
4 delta-BHC				CAS #: 319-86-8	
3.407	3.407	0.000	891606	182.686	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor			CAS #:	76-44-8		
3.793	3.793	0.000	937041	207.889	80.00- 120.00	100.00(aR)
1 Aldrin			CAS #:	309-00-2		
4.337	4.337	0.000	898561	195.275	80.00- 120.00	100.00(aR)
18 Heptachlor epoxide			CAS #:	1024-57-3		
5.453	5.457	-0.004	876175	203.017	80.00- 120.00	100.00(aR)
65 gamma-Chlordane			CAS #:	5103-74-2		
5.700	5.703	-0.003	855970	189.611	80.00- 120.00	100.00(aR)
66 alpha-Chlordane			CAS #:	5103-71-9		
5.963	5.963	0.000	809736	188.832	80.00- 120.00	100.00(aR)
8 4,4'-DDE			CAS #:	72-55-9		
6.090	6.090	0.000	889478	221.284	80.00- 120.00	100.00(aR)
11 Endosulfan I			CAS #:	959-98-8		
6.183	6.183	0.000	749571	195.252	80.00- 120.00	100.00(aR)
10 Dieldrin			CAS #:	60-57-1		
6.480	6.483	-0.003	689597	175.164	80.00- 120.00	100.00(aR)
14 Endrin			CAS #:	72-20-8		
6.727	6.727	0.000	671668	207.348	80.00- 120.00	100.00(aR)
7 4,4'-DDD			CAS #:	72-54-8		
6.790	6.790	0.000	942864	291.916	80.00- 120.00	100.00(aR)
12 Endosulfan II			CAS #:	33213-65-9		
6.950	6.950	0.000	626469	184.892	80.00- 120.00	100.00(aR)
9 4,4'-DDT			CAS #:	50-29-3		
7.073	7.073	0.000	665710	205.633	80.00- 120.00	100.00(aR)
15 Endrin aldehyde			CAS #:	7421-93-4		
7.387	7.387	0.000	517671	192.482	80.00- 120.00	100.00(aR)
19 Methoxychlor			CAS #:	72-43-5		
7.583	7.583	0.000	327377	216.418	80.00- 120.00	100.00(aR)
13 Endosulfan sulfate			CAS #:	1031-07-8		
7.857	7.860	-0.003	537847	178.557	80.00- 120.00	100.00(aR)
16 Endrin ketone			CAS #:	53494-70-5		
8.167	8.167	0.000	631092	197.003	80.00- 120.00	100.00(aR)

RT	EXP RT	DLT RT	CONCENTRATIONS			RATIO
			ON-COL	FINAL	TARGET RANGE	
			=====	=====	=====	
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3			
8.950	8.950	0.000	161940	56.7690	80.00- 120.00	100.00(aR)

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QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).  
R - Spike/Surrogate failed recovery limits.

Data File: WR705430.D

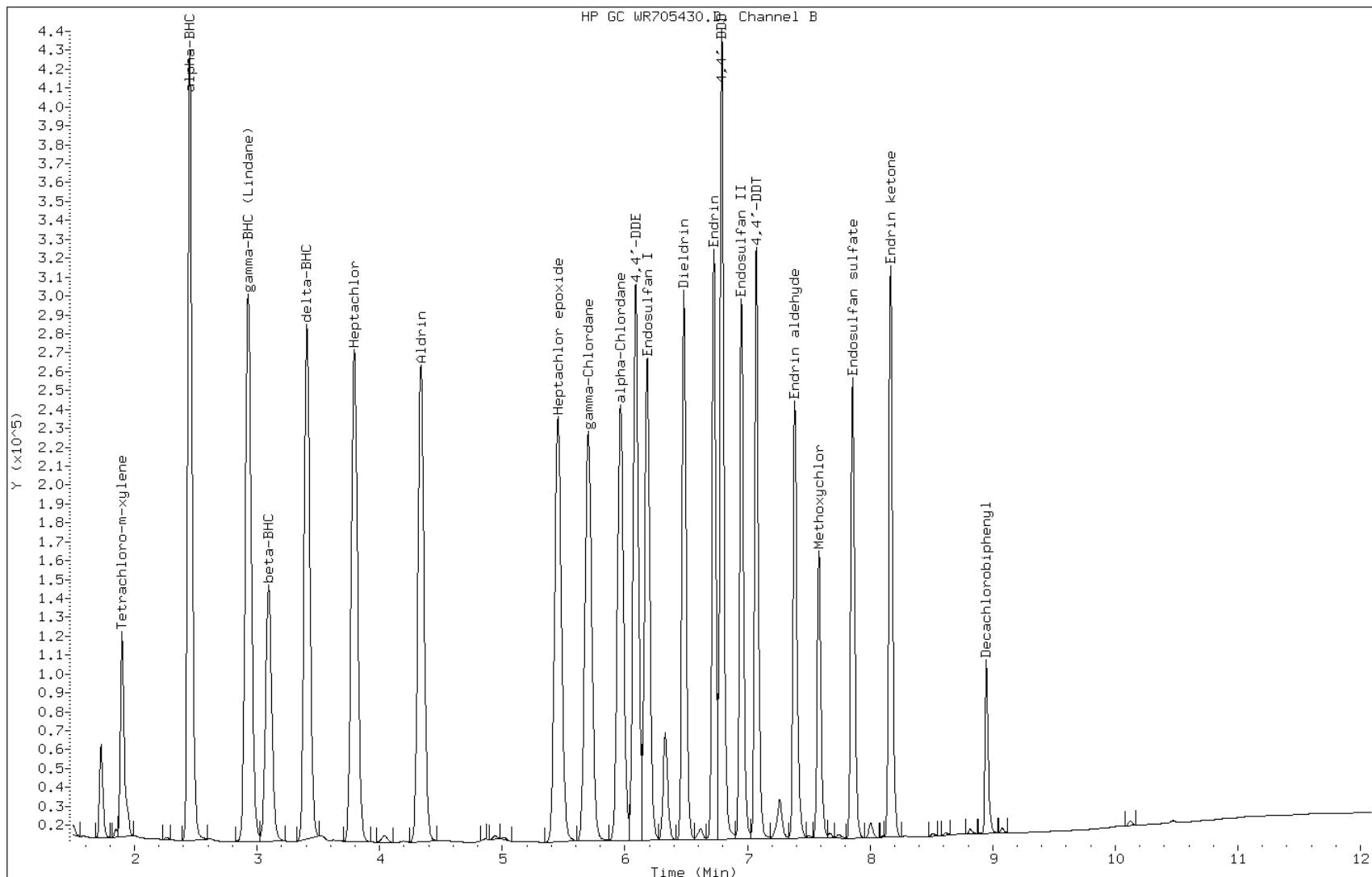
Date: 13-AUG-2012 08:31

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-43235-E-4-A

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.:  
Client Sample ID: 20120807SB-435V0-2N MSD Lab Sample ID: 460-43235-4 MSD  
Matrix: Solid Lab File ID: WF705431.D  
Analysis Method: 8081A Date Collected: 08/07/2012 10:40  
Extraction Method: 3541 Date Extracted: 08/09/2012 08:35  
Sample wt/vol: 15.03(g) Date Analyzed: 08/13/2012 08:45  
Con. Extract Vol.: 10(mL) Dilution Factor: 1  
Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)  
% Moisture: 19.6 GPC Cleanup:(Y/N) N  
Analysis Batch No.: 123769 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	157		8.3	1.8
319-84-6	alpha-BHC	159		8.3	1.5
319-85-7	beta-BHC	157		8.3	1.1
319-86-8	delta-BHC	152		8.3	1.3
58-89-9	gamma-BHC ( <i>Lindane</i> )	157		8.3	0.97
57-74-9	Chlordane	18	U	83	18
72-54-8	4,4'-DDD	231		8.3	0.99
72-55-9	4,4'-DDE	174		8.3	1.6
50-29-3	4,4'-DDT	159		8.3	1.0
60-57-1	Dieldrin	163		8.3	1.6
959-98-8	Endosulfan I	154		8.3	1.8
33213-65-9	Endosulfan II	152		8.3	1.3
1031-07-8	Endosulfan sulfate	150		8.3	1.1
72-20-8	Endrin	163		8.3	1.2
7421-93-4	Endrin aldehyde	156		8.3	2.1
53494-70-5	Endrin ketone	152		8.3	1.2
76-44-8	Heptachlor	162		8.3	1.2
1024-57-3	Heptachlor epoxide	153		8.3	1.7
72-43-5	Methoxychlor	178		8.3	0.93
8001-35-2	Toxaphene	17	U	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	113		40-150
2051-24-3	DCB Decachlorobiphenyl	107		53-150

Data File: WF705431.D  
Report Date: 13-Aug-2012 12:49

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/WF705431.D  
Lab Smp Id: 460-43235-E-4-B  
Inj Date : 13-AUG-2012 08:45  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-4-B  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/front/Aug12/08-13-12/13aug12a.b/08Wf8081.m  
Meth Date : 13-Aug-2012 12:49 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WF704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS						
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	(ug/kg)	TARGET RANGE	RATIO
2.383	2.383	0.000	237831	56.6215	38 80.00- 120.00	100.00
3.487	3.487	0.000	1116117	192.535	130 80.00- 120.00	100.00
4.207	4.207	0.000	1014281	189.165	130 80.00- 120.00	100.00
4.360	4.360	0.000	490034	189.533	130 80.00- 120.00	100.00
4.950	4.950	0.000	927869	183.661	120 80.00- 120.00	100.00

Data File: WF705431.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO	
			ON-COL	FINAL			
==	=====	=====	=====	=====	=====	=====	
17 Heptachlor			CAS #:	76-44-8			
5.100	5.097	0.003	997270	195.736	130	80.00- 120.00	100.00
1 Aldrin			CAS #:	309-00-2			
5.783	5.787	-0.004	961603	190.126	130	80.00- 120.00	100.00
18 Heptachlor epoxide			CAS #:	1024-57-3			
6.640	6.640	0.000	695884	184.420	120	80.00- 120.00	100.00
65 gamma-Chlordane			CAS #:	5103-74-2			
6.837	6.837	0.000	713736	189.668	130	80.00- 120.00	100.00
66 alpha-Chlordane			CAS #:	5103-71-9			
6.990	6.993	-0.003	666757	187.930	120	80.00- 120.00	100.00
11 Endosulfan I			CAS #:	959-98-8			
7.063	7.063	0.000	653153	186.523	120	80.00- 120.00	100.00
8 4,4'-DDE			CAS #:	72-55-9			
7.150	7.150	0.000	768050	210.820	140	80.00- 120.00	100.00
10 Dieldrin			CAS #:	60-57-1			
7.363	7.363	0.000	731179	196.726	130	80.00- 120.00	100.00
14 Endrin			CAS #:	72-20-8			
7.707	7.710	-0.003	632959	196.426	130	80.00- 120.00	100.00
7 4,4'-DDD			CAS #:	72-54-8			
7.793	7.793	0.000	816624	279.645	190	80.00- 120.00	100.00
12 Endosulfan II			CAS #:	33213-65-9			
7.943	7.947	-0.004	590678	183.511	120	80.00- 120.00	100.00
9 4,4'-DDT			CAS #:	50-29-3			
8.157	8.157	0.000	574559	191.815	130	80.00- 120.00	100.00
15 Endrin aldehyde			CAS #:	7421-93-4			
8.310	8.310	0.000	437914	188.820	120	80.00- 120.00	100.00
13 Endosulfan sulfate			CAS #:	1031-07-8			
8.543	8.547	-0.004	451315	180.867	120	80.00- 120.00	100.00
19 Methoxychlor			CAS #:	72-43-5			
8.730	8.730	0.000	267182	215.129	140	80.00- 120.00	100.00
16 Endrin ketone			CAS #:	53494-70-5			
8.940	8.940	0.000	519227	183.921	120	80.00- 120.00	100.00

Data File: WF705431.D  
Report Date: 13-Aug-2012 12:49

RT	EXP RT	DLT RT	CONCENTRATIONS			TARGET RANGE	RATIO
			ON-COL	FINAL			
			=====	=====	=====		
\$ 30	Decachlorobiphenyl		CAS #:	2051-24-3			
9.940	9.940	0.000	150356	53.6259	36	80.00- 120.00	100.00

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Data File: WF705431.D

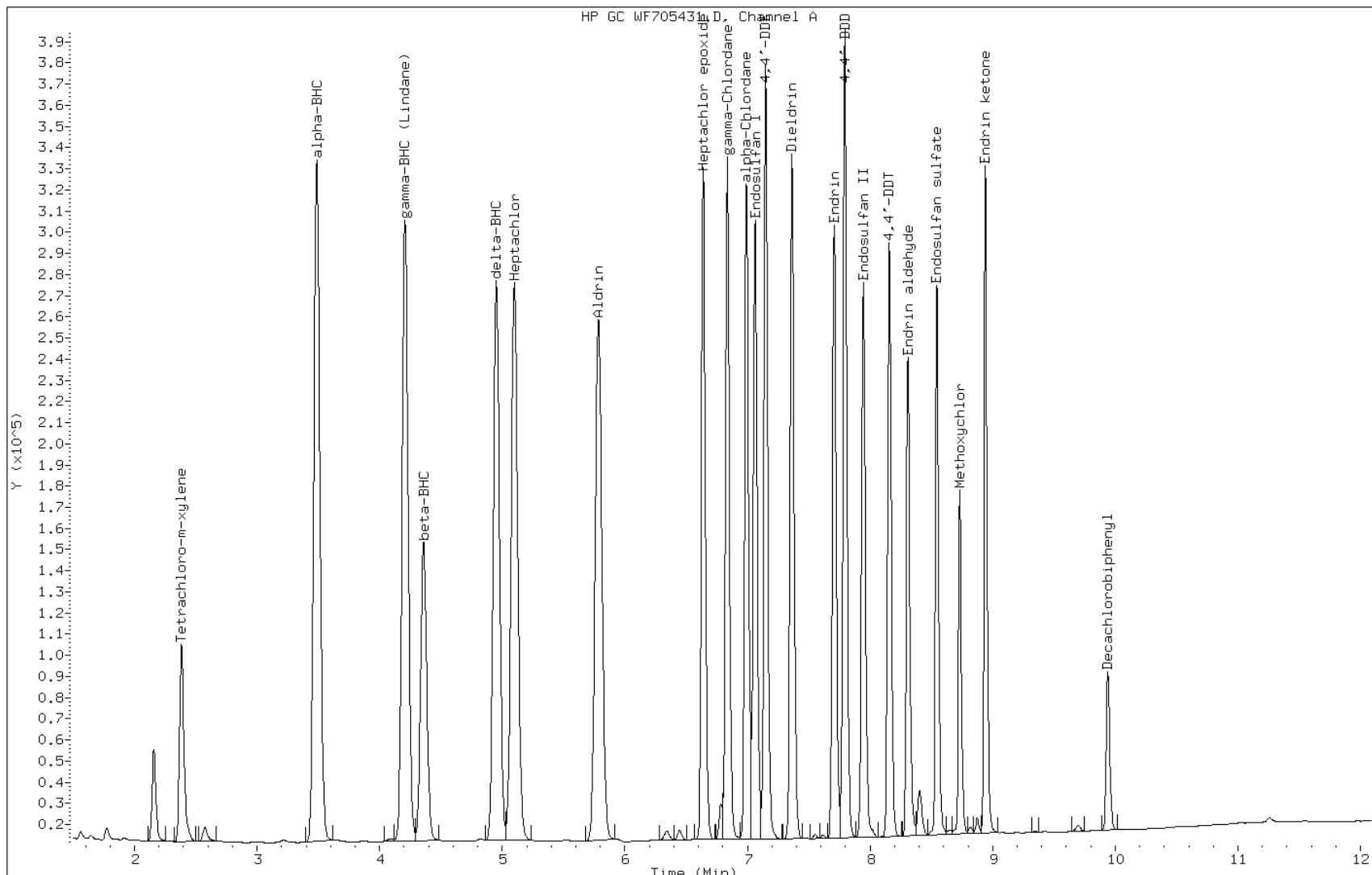
Date: 13-AUG-2012 08:45

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-43235-E-4-B

Operator:



FORM I  
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Edison</u>	Job No.: <u>460-43235-1</u>
SDG No.:	
Client Sample ID: <u>20120807SB-435V0-2N MSD</u>	Lab Sample ID: <u>460-43235-4 MSD</u>
Matrix: <u>Solid</u>	Lab File ID: <u>WR705431.D</u>
Analysis Method: <u>8081A</u>	Date Collected: <u>08/07/2012 10:40</u>
Extraction Method: <u>3541</u>	Date Extracted: <u>08/09/2012 08:35</u>
Sample wt/vol: <u>15.03(g)</u>	Date Analyzed: <u>08/13/2012 08:45</u>
Con. Extract Vol.: <u>10 (mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>1 (uL)</u>	GC Column: <u>CLP-1</u> ID: <u>0.53 (mm)</u>
% Moisture: <u>19.6</u>	GPC Cleanup: (Y/N) <u>N</u>
Analysis Batch No.: <u>123769</u>	Units: <u>ug/Kg</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	162		8.3	1.8
319-84-6	<i>alpha-BHC</i>	157		8.3	1.5
319-85-7	<i>beta-BHC</i>	155		8.3	1.1
319-86-8	<i>delta-BHC</i>	151		8.3	1.3
58-89-9	gamma-BHC (Lindane)	159		8.3	0.97
57-74-9	Chlordane	18	U	83	18
72-54-8	4,4'-DDD	235		8.3	0.99
72-55-9	4,4'-DDE	180		8.3	1.6
50-29-3	4,4'-DDT	170		8.3	1.0
60-57-1	<i>Dieldrin</i>	145		8.3	1.6
959-98-8	Endosulfan I	161		8.3	1.8
33213-65-9	Endosulfan II	153		8.3	1.3
1031-07-8	Endosulfan sulfate	148		8.3	1.1
72-20-8	Endrin	168		8.3	1.2
7421-93-4	Endrin aldehyde	160		8.3	2.1
53494-70-5	Endrin ketone	163		8.3	1.2
76-44-8	Heptachlor	172		8.3	1.2
1024-57-3	Heptachlor epoxide	166		8.3	1.7
72-43-5	Methoxychlor	179		8.3	0.93
8001-35-2	Toxaphene	17	U	83	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	117		40-150
2051-24-3	DCB Decachlorobiphenyl	118		53-150

TestAmerica

GC ORGANICS QUANTITATION REPORT

Data file : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/WR705431.D  
Lab Smp Id: 460-43235-E-4-B  
Inj Date : 13-AUG-2012 08:45  
Operator : Inst ID: PESTGC4.i  
Smp Info : 460-43235-E-4-B  
Misc Info :  
Comment :  
Method : /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b/08Wr8081.m  
Meth Date : 13-Aug-2012 12:26 ferdie Quant Type: ESTD  
Cal Date : 02-AUG-2012 09:53 Cal File: WR704900.D  
Als bottle: 1  
Dil Factor: 1.00000  
Integrator: Falcon Compound Sublist: Allpest.sub  
Target Version: 3.50 Sample Matrix: SOIL  
Processing Host: hpd3

Concentration Formula: Amt \* DF \* Vt/(Ws\*(100-M)/100) \* CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Ws	15.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

CONCENTRATIONS					
RT	EXP RT	DLT RT	RESPONSE ( ug/L )	( ug/kg )	TARGET RANGE
==	=====	=====	=====	=====	=====
\$ 28 Tetrachloro-m-xylene				CAS #: 877-09-8	
1.900	1.897	0.003	244097	58.5085	80.00- 120.00 100.00(aR)
-----	-----	-----	-----	-----	-----
2 alpha-BHC				CAS #: 319-84-6	
2.453	2.450	0.003	1042620	189.456	80.00- 120.00 100.00(a)
-----	-----	-----	-----	-----	-----
5 gamma-BHC (Lindane)				CAS #: 58-89-9	
2.930	2.930	0.000	1005458	192.537	80.00- 120.00 100.00(a)
-----	-----	-----	-----	-----	-----
3 beta-BHC				CAS #: 319-85-7	
3.097	3.093	0.004	478294	187.732	80.00- 120.00 100.00(a)
-----	-----	-----	-----	-----	-----
4 delta-BHC				CAS #: 319-86-8	
3.410	3.407	0.003	892289	182.826	80.00- 120.00 100.00(a)
-----	-----	-----	-----	-----	-----

RT	EXP RT	DLT RT	CONCENTRATIONS		TARGET RANGE	RATIO
			ON-COL	FINAL		
==	=====	=====	=====	=====	=====	=====
17 Heptachlor				CAS #: 76-44-8		
3.797	3.793	0.004	936214	207.706	80.00- 120.00	100.00(a)
1 Aldrin				CAS #: 309-00-2		
4.340	4.337	0.003	901359	195.883	80.00- 120.00	100.00(a)
18 Heptachlor epoxide				CAS #: 1024-57-3		
5.453	5.457	-0.004	867404	200.985	80.00- 120.00	100.00(a)
65 gamma-Chlordane				CAS #: 5103-74-2		
5.700	5.703	-0.003	855530	189.514	80.00- 120.00	100.00(a)
66 alpha-Chlordane				CAS #: 5103-71-9		
5.963	5.963	0.000	810526	189.017	80.00- 120.00	100.00(a)
8 4,4'-DDE				CAS #: 72-55-9		
6.090	6.090	0.000	875920	217.911	80.00- 120.00	100.00(a)
11 Endosulfan I				CAS #: 959-98-8		
6.183	6.183	0.000	748141	194.879	80.00- 120.00	100.00(a)
10 Dieldrin				CAS #: 60-57-1		
6.480	6.483	-0.003	687666	174.674	80.00- 120.00	100.00(a)
14 Endrin				CAS #: 72-20-8		
6.723	6.727	-0.004	657784	203.062	80.00- 120.00	100.00(a)
7 4,4'-DDD				CAS #: 72-54-8		
6.790	6.790	0.000	918237	284.292	80.00- 120.00	100.00(a)
12 Endosulfan II				CAS #: 33213-65-9		
6.950	6.950	0.000	626849	185.004	80.00- 120.00	100.00(a)
9 4,4'-DDT				CAS #: 50-29-3		
7.073	7.073	0.000	665546	205.583	80.00- 120.00	100.00(a)
15 Endrin aldehyde				CAS #: 7421-93-4		
7.387	7.387	0.000	519850	193.292	80.00- 120.00	100.00(a)
19 Methoxychlor				CAS #: 72-43-5		
7.583	7.583	0.000	327501	216.500	80.00- 120.00	100.00(a)
13 Endosulfan sulfate				CAS #: 1031-07-8		
7.857	7.860	-0.003	537680	178.501	80.00- 120.00	100.00(a)
16 Endrin ketone				CAS #: 53494-70-5		
8.167	8.167	0.000	629459	196.493	80.00- 120.00	100.00(a)

RT	EXP RT	DLT RT	CONCENTRATIONS			RATIO
			ON-COL	FINAL	TARGET RANGE	
			=====	=====	=====	
\$ 30 Decachlorobiphenyl			CAS #: 2051-24-3			
8.950	8.950	0.000	168272	58.9887	80.00- 120.00	100.00(aR)

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QC Flag Legend

a - Target compound detected but, quantitated amount  
Below Limit Of Quantitation(BLOQ).  
R - Spike/Surrogate failed recovery limits.

Data File: WR705431.D

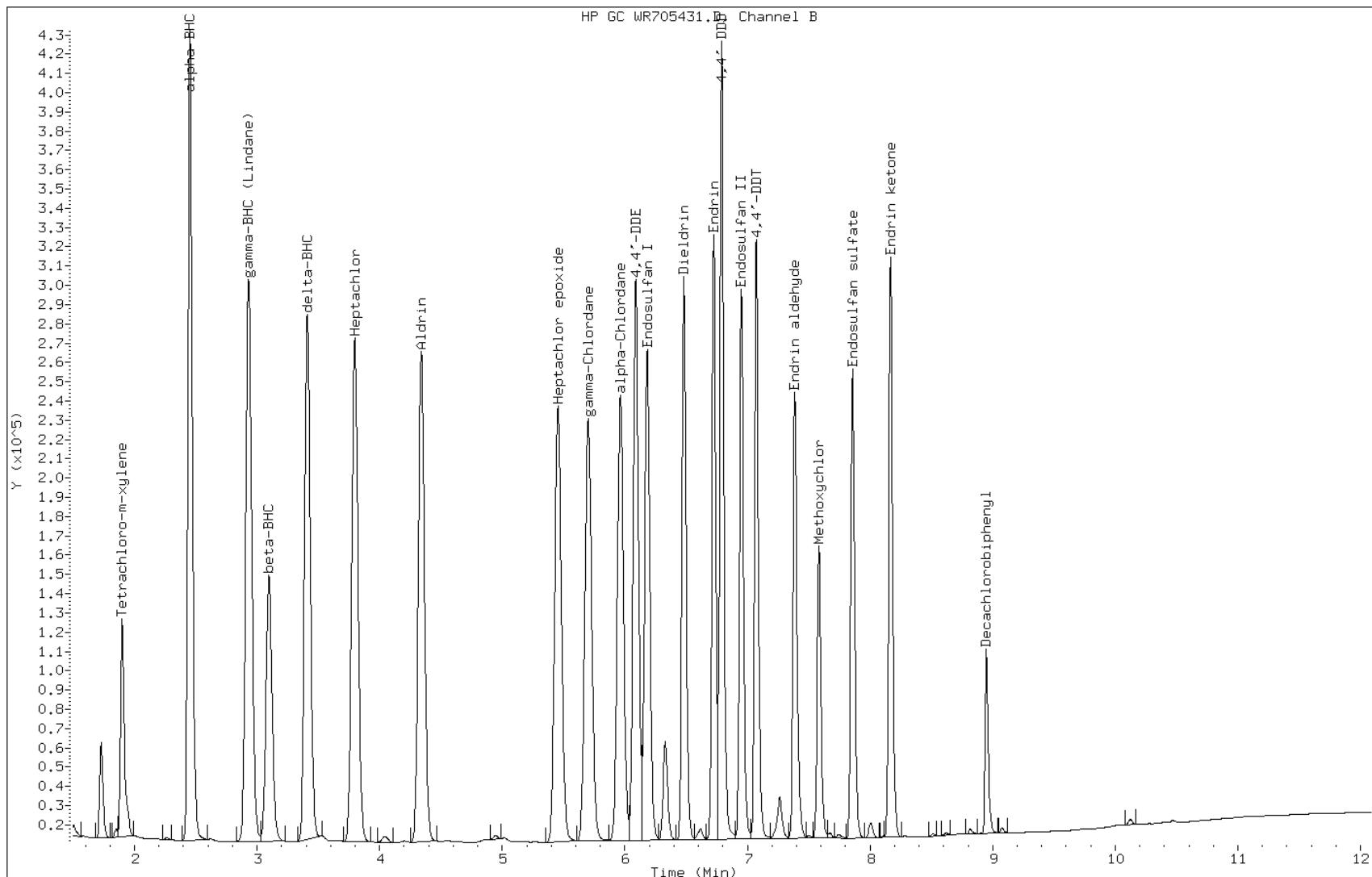
Date: 13-AUG-2012 08:45

Client ID:

Instrument: PESTGC4.i

Sample Info: 460-43235-E-4-B

Operator:



## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Instrument ID: PESTGC4

Start Date: 08/02/2012 07:34

Analysis Batch Number: 122272

End Date: 08/02/2012 10:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 460-122272/1		08/02/2012 07:34	1		CLP-2 0.53 (mm)
RINSE 460-122272/1		08/02/2012 07:34	1		CLP-1 0.53 (mm)
RESC 460-122272/2		08/02/2012 07:48	1		CLP-2 0.53 (mm)
RESC 460-122272/2		08/02/2012 07:48	1		CLP-1 0.53 (mm)
PIBLK 460-122272/3		08/02/2012 08:02	1		CLP-2 0.53 (mm)
PIBLK 460-122272/3		08/02/2012 08:02	1		CLP-1 0.53 (mm)
PEM 460-122272/4		08/02/2012 08:16	1		CLP-2 0.53 (mm)
PEM 460-122272/4		08/02/2012 08:16	1		CLP-1 0.53 (mm)
IC 460-122272/5		08/02/2012 08:30	1	WF704894.D	CLP-2 0.53 (mm)
IC 460-122272/5		08/02/2012 08:30	1	WR704894.D	CLP-1 0.53 (mm)
IC 460-122272/6		08/02/2012 08:43	1	WF704895.D	CLP-2 0.53 (mm)
IC 460-122272/6		08/02/2012 08:43	1	WR704895.D	CLP-1 0.53 (mm)
IC 460-122272/7		08/02/2012 08:57	1	WF704896.D	CLP-2 0.53 (mm)
IC 460-122272/7		08/02/2012 08:57	1	WR704896.D	CLP-1 0.53 (mm)
IC 460-122272/8		08/02/2012 09:11	1	WF704897.D	CLP-2 0.53 (mm)
IC 460-122272/8		08/02/2012 09:11	1	WR704897.D	CLP-1 0.53 (mm)
IC 460-122272/9		08/02/2012 09:25	1	WF704898.D	CLP-2 0.53 (mm)
IC 460-122272/9		08/02/2012 09:25	1	WR704898.D	CLP-1 0.53 (mm)
IC 460-122272/10		08/02/2012 09:39	1	WF704899.D	CLP-2 0.53 (mm)
IC 460-122272/10		08/02/2012 09:39	1	WR704899.D	CLP-1 0.53 (mm)
IC 460-122272/11		08/02/2012 09:53	1	WF704900.D	CLP-2 0.53 (mm)
IC 460-122272/11		08/02/2012 09:53	1	WR704900.D	CLP-1 0.53 (mm)
ICV 460-122272/12		08/02/2012 10:07	1		CLP-2 0.53 (mm)
ICV 460-122272/12		08/02/2012 10:07	1		CLP-1 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Instrument ID: PESTGC4

Start Date: 08/13/2012 06:21

Analysis Batch Number: 123769

End Date: 08/13/2012 12:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RESC 460-123769/1		08/13/2012 06:21	1		CLP-2 0.53 (mm)
RESC 460-123769/1		08/13/2012 06:21	1		CLP-1 0.53 (mm)
PIBLK 460-123769/2		08/13/2012 06:35	1		CLP-2 0.53 (mm)
PIBLK 460-123769/2		08/13/2012 06:35	1		CLP-1 0.53 (mm)
PEM 460-123769/3		08/13/2012 06:49	1	WF705423.D	CLP-2 0.53 (mm)
PEM 460-123769/3		08/13/2012 06:49	1	WR705423.D	CLP-1 0.53 (mm)
CCVRT 460-123769/4		08/13/2012 07:03	1	WF705424.D	CLP-2 0.53 (mm)
CCVRT 460-123769/4		08/13/2012 07:03	1	WR705424.D	CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 07:22	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 07:22	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 07:36	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 07:36	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 07:50	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 07:50	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 08:04	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 08:04	1		CLP-1 0.53 (mm)
LCS 460-123232/2-A		08/13/2012 08:18	1	WF705429.D	CLP-2 0.53 (mm)
LCS 460-123232/2-A		08/13/2012 08:18	1	WR705429.D	CLP-1 0.53 (mm)
460-43235-4 MS	20120807SB-435V0-2N MS	08/13/2012 08:31	1	WF705430.D	CLP-2 0.53 (mm)
460-43235-4 MS	20120807SB-435V0-2N MS	08/13/2012 08:31	1	WR705430.D	CLP-1 0.53 (mm)
460-43235-4 MSD	20120807SB-435V0-2N MSD	08/13/2012 08:45	1	WF705431.D	CLP-2 0.53 (mm)
460-43235-4 MSD	20120807SB-435V0-2N MSD	08/13/2012 08:45	1	WR705431.D	CLP-1 0.53 (mm)
460-43235-4	20120807SB-435V0-2N	08/13/2012 08:59	1	WF705432.D	CLP-2 0.53 (mm)
460-43235-4	20120807SB-435V0-2N	08/13/2012 08:59	1	WR705432.D	CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 09:13	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 09:13	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 09:27	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 09:27	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 09:41	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 09:41	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 09:55	10		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 09:55	10		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 10:09	25		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 10:09	25		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 10:23	2		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 10:23	2		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 10:37	25		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 10:37	25		CLP-1 0.53 (mm)
MB 460-123232/1-A		08/13/2012 10:51	1	WF705440.D	CLP-2 0.53 (mm)
MB 460-123232/1-A		08/13/2012 10:51	1	WR705440.D	CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 11:05	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 11:05	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 11:19	250		CLP-2 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 Start Date: 08/13/2012 06:21Analysis Batch Number: 123769 End Date: 08/13/2012 12:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/13/2012 11:19	250		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 11:37	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 11:37	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 11:51	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 11:51	1		CLP-1 0.53 (mm)
PIBLK 460-123769/25		08/13/2012 12:05	1		CLP-2 0.53 (mm)
PIBLK 460-123769/25		08/13/2012 12:05	1		CLP-1 0.53 (mm)
CCV 460-123769/26		08/13/2012 12:19	1	WF705446.D	CLP-2 0.53 (mm)
CCV 460-123769/26		08/13/2012 12:19	1	WR705446.D	CLP-1 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Instrument ID: PESTGC4

Start Date: 08/13/2012 18:37

Analysis Batch Number: 123908

End Date: 08/13/2012 23:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/13/2012 18:37	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 18:37	1		CLP-1 0.53 (mm)
CCVRT 460-123908/2		08/13/2012 18:51	1	WF705473.D	CLP-2 0.53 (mm)
CCVRT 460-123908/2		08/13/2012 18:51	1	WR705473.D	CLP-1 0.53 (mm)
PEM 460-123908/3		08/13/2012 19:05	1	WF705474.D	CLP-2 0.53 (mm)
PEM 460-123908/3		08/13/2012 19:05	1	WR705474.D	CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 19:19	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 19:19	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 19:32	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 19:32	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 19:46	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 19:46	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 20:00	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 20:00	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 20:14	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 20:14	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 20:28	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 20:28	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 20:42	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 20:42	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 20:56	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 20:56	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 21:10	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 21:10	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 21:24	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 21:24	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 21:38	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 21:38	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 21:52	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 21:52	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 22:06	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 22:06	1		CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 22:19	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 22:19	1		CLP-1 0.53 (mm)
460-43235-1	20120807SB-437V0-2N	08/13/2012 22:33	1	WF705489.D	CLP-2 0.53 (mm)
460-43235-1	20120807SB-437V0-2N	08/13/2012 22:33	1	WR705489.D	CLP-1 0.53 (mm)
460-43235-2	20120807SB-438V5-6N	08/13/2012 22:47	1	WF705490.D	CLP-2 0.53 (mm)
460-43235-2	20120807SB-438V5-6N	08/13/2012 22:47	1	WR705490.D	CLP-1 0.53 (mm)
460-43235-3	20120807SB-436V0-2N	08/13/2012 23:01	1	WF705491.D	CLP-2 0.53 (mm)
460-43235-3	20120807SB-436V0-2N	08/13/2012 23:01	1	WR705491.D	CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 23:15	1		CLP-2 0.53 (mm)
ZZZZZ		08/13/2012 23:15	1		CLP-1 0.53 (mm)
CCV 460-123908/22		08/13/2012 23:29	1	WF705493.D	CLP-2 0.53 (mm)
CCV 460-123908/22		08/13/2012 23:29	1	WR705493.D	CLP-1 0.53 (mm)
ZZZZZ		08/13/2012 23:43	1		CLP-2 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 Start Date: 08/13/2012 18:37Analysis Batch Number: 123908 End Date: 08/13/2012 23:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/13/2012 23:43	1		CLP-1 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Instrument ID: PESTGC4

Start Date: 08/16/2012 06:47

Analysis Batch Number: 124316

End Date: 08/16/2012 17:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
RINSE 460-124316/1		08/16/2012 06:47	1		CLP-2 0.53 (mm)
RINSE 460-124316/1		08/16/2012 06:47	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 07:01	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 07:01	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 07:15	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 07:15	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 07:29	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 07:29	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 07:43	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 07:43	1		CLP-1 0.53 (mm)
PEM 460-124316/6		08/16/2012 07:57	1		CLP-2 0.53 (mm)
PEM 460-124316/6		08/16/2012 07:57	1		CLP-1 0.53 (mm)
CCVRT 460-124316/7		08/16/2012 08:11	1	WF705666.D	CLP-2 0.53 (mm)
CCVRT 460-124316/7		08/16/2012 08:11	1	WR705666.D	CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 08:39	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 08:39	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 08:53	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 08:53	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 09:06	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 09:06	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 09:20	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 09:20	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 09:34	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 09:34	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 09:48	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 09:48	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 10:02	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 10:02	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 10:16	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 10:16	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 10:30	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 10:30	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 10:44	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 10:44	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 10:58	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 10:58	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 11:12	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 11:12	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 11:26	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 11:26	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 11:40	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 11:40	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 11:53	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 11:53	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 12:07	1		CLP-2 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Instrument ID: PESTGC4

Start Date: 08/16/2012 06:47

Analysis Batch Number: 124316

End Date: 08/16/2012 17:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/16/2012 12:07	1		CLP-1 0.53 (mm)
CCV 460-124316/24		08/16/2012 12:21	1	WF705683.D	CLP-2 0.53 (mm)
CCV 460-124316/24		08/16/2012 12:21	1	WR705683.D	CLP-1 0.53 (mm)
PEM 460-124316/25		08/16/2012 12:46	1	WF705684.D	CLP-2 0.53 (mm)
PEM 460-124316/25		08/16/2012 12:46	1	WR705684.D	CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 13:00	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 13:00	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 13:14	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 13:14	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 13:28	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 13:28	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 13:41	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 13:41	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 13:55	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 13:55	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 14:09	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 14:09	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 14:23	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 14:23	1		CLP-1 0.53 (mm)
LCS 460-123243/2-A		08/16/2012 14:37	1	WF705692.D	CLP-2 0.53 (mm)
LCS 460-123243/2-A		08/16/2012 14:37	1	WR705692.D	CLP-1 0.53 (mm)
LCSD 460-123243/3-A		08/16/2012 14:51	1	WF705693.D	CLP-2 0.53 (mm)
LCSD 460-123243/3-A		08/16/2012 14:51	1	WR705693.D	CLP-1 0.53 (mm)
460-43235-5	20120807EB	08/16/2012 15:05	1	WF705694.D	CLP-2 0.53 (mm)
460-43235-5	20120807EB	08/16/2012 15:05	1	WR705694.D	CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 15:19	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 15:19	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 15:33	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 15:33	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 15:47	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 15:47	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 16:01	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 16:01	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 16:15	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 16:15	1		CLP-1 0.53 (mm)
MB 460-123243/1-A		08/16/2012 16:28	1	WF705700.D	CLP-2 0.53 (mm)
MB 460-123243/1-A		08/16/2012 16:28	1	WR705700.D	CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 16:42	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 16:42	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 16:56	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 16:56	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 17:10	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 17:10	1		CLP-1 0.53 (mm)
ZZZZZ		08/16/2012 17:24	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 17:24	1		CLP-1 0.53 (mm)

## PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: PESTGC4 Start Date: 08/16/2012 06:47Analysis Batch Number: 124316 End Date: 08/16/2012 17:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/16/2012 17:38	1		CLP-2 0.53 (mm)
ZZZZZ		08/16/2012 17:38	1		CLP-1 0.53 (mm)
CCV 460-124316/47		08/16/2012 17:52	1	WF705706.D	CLP-2 0.53 (mm)
CCV 460-124316/47		08/16/2012 17:52	1	WR705706.D	CLP-1 0.53 (mm)

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i  
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Aug12/08-02-12aical/02aug12a.b

Date Generated: 08/02/2012  
Page 1

Date	Data File	ALS File	Sample ID	LPB	Ext. Date	IV Date	FV	DIL FAC	SampleType	LOT	COMMENTS
08/02/12 0734	WR704890		Rinse	02aug12a							122272
08/02/12 0748	WR704891	2	SGRESC_00012	02aug12a							4
08/02/12 0802	WR704892	3	SGPIBLK_00013	02aug12a							4
08/02/12 0816	WR704893	4	SGDDT/B1_000018	02aug12a							4
08/02/12 0830	WR704894	5	SGPESTIT3_000013								4
08/02/12 0843	WR704895	6	SGPESTIT1_000015								4
08/02/12 0857	WR704896	7	SGPESTIT2_000012								4
08/02/12 0911	WR704897	8	SGPESTIT4_000012								4
08/02/12 0925	WR704898	9	SGPESTIT5_000012								4
08/02/12 0939	WR704899	10	SCCHL013_000010								4
08/02/12 0953	WR704900	11	SGTOXL3_000013								4
08/02/12 1007	WR704901	12	SGPTICV_000018								4

Signed: hjt Date: 08/02/2012  
Read and Understood by: S Date: 8/2/11

TESTAMERICA ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i Analytical Batch: /Chem1/PESTGC4.i/8081IT/rear/Aug12/08-13-12/13aug12a.b

Date Generated: 08/13/2012  
Page 1

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
08/13/12 0621	WR705421	1	SGRESC_00012	13aug12a	15	10	1 SAMPLE				123769
08/13/12 0635	WR705422	2	SGPIBLK_00013	13aug12a	15	10	1 SAMPLE				
08/13/12 0649	WR705423	3	SGDDT/Bi_00018	13aug12a	15	10	1 SAMPLE				
08/13/12 0703	WR705424	4	SGPRESTL3_00013	13aug12a	0	0	1 CALIB_3				
08/13/12 0722	WR705425	5	LCS 460-123417/2-A	13aug12a	15	10	1 BS				
08/13/12 0726	WR705426	6	460-432303-A-1-DMS	13aug12a	15	10	1 MS				
08/13/12 0750	WR705427	7	460-432303-A-1-EMSD	13aug12a	15	10	1 MSD				
08/13/12 0804	WR705428	8	460-432303-A-1-F	13aug12a	15	10	1 SAMPLE				
08/13/12 0818	WR705429	9	LCS 460-123232/2-A	13aug12a	15	10	1 BS				
08/13/12 0831	WR705430	10	460-43235-E-4-AMS	13aug12a	15	10	1 MS				
08/13/12 0845	WR705431	11	460-43235-E-4-B	13aug12a	15	10	1 SAMPLE				
08/13/12 0859	WR705432	12	460-43235-E-4-C	460-123232	08/09/12	15.1	10	1 SAMPLE			
08/13/12 0913	WR705433	13	460-43250-E-1-C	13aug12a	15	10	1 SAMPLE				
08/13/12 0927	WR705434	14	460-43255-F-1-B	460-123232	08/09/12	15	10	1 SAMPLE			
08/13/12 0941	WR705435	15	460-43255-F-1-B	460-123232	08/09/12	15	10	1 SAMPLE			

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i  
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12a.b

Date Generated: 08/13/2012  
Page 2

Date	Data File	ALS	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
08/13/12 0941	WR705435	460-43249-D-1-E	13aug12a		15	10		1	SAMPLE	14	4
08/13/12 0955	WR705436	460-42971-E-16-A	460-122228	08/02/12	15.0	10		10	SAMPLE		4
08/13/12 1009	WR705437	460-43026-E-25-A	460-122522	08/03/12	15	10		25	SAMPLE		4
08/13/12 1023	WR705438	460-43026-E-26-A	460-122522	08/03/12	15.0	10		2	SAMPLE		4
08/13/12 1037	WR705439	460-43026-E-27-A	460-122522	08/03/12	15.0	10		25	SAMPLE		4
O											
08/13/12 1051	WR705440	MB 460-123232/1-A	460-122522	08/03/12	15	10		1	SAMPLE		4
08/13/12 1105	WR705441	MB 460-123417/1-A	460-122522	08/03/12	15.0	10		1	SAMPLE		4
08/13/12 1119	WR705442	460-43026-E-27-A	460-122522	08/03/12	15.0	10		250	SAMPLE		4
08/13/12 1137	WR705443	460-43026-E-30-A	460-122522	08/03/12	15.0	10		1	SAMPLE		4
08/13/12 1151	WR705444	460-43026-E-33-B	460-122522	08/03/12	15.0	10		1	SAMPLE		4
08/13/12 1205	WR705445	PBLK_00013	13aug12a		15	10		1	SAMPLE		4
08/13/12 1219	WR705446	PESTL3_00013	13		0	0		1	CCALIB_3		4

How to prepare dilution(dil)  
 2x dil = 500 ul of sample + 500 ul of solvent  
 5x dil = 200 ul of sample + 800 ul of solvent  
 10x dil = 100 ul of sample + 900 ul of solvent  
 20x dil = 50 ul of sample + 950 ul of solvent  
 25x dil = 40 ul of sample + 960 ul of solvent  
 50x dil = 20 ul of sample + 980 ul of solvent  
 100 x dil = 10 ul of sample + 990 ul of solvent  
 Serial dilution  
 200x dil = 2x dil of 100x dil  
 500x dil = 5x dil of 100x dil  
 1000x dil = 10x dil of 100x dil  
 2000x dil = 20x dil of 100x dil  
 5000x dil = 50x dil of 100x dil

Read and Understood by: John  
 Date: 08/13/12

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i  
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Aug12/08-13-12/13aug12c.b

Date Generated: 08/14/2012  
Page 1

Date	Data File	ALS File	Sample ID	LPB	Ext. Date	IV Date	FV	DIL FAC	SampleType	LOT	COMMENTS
08/13/12 1837 WR705472	28	SGPBLK_00013	13aug12c	14		15	10	1 SAMPLE		123908	
08/13/12 1851 WR705473	29	SGPESTL3_00013			0	0	1	CCALIB_3			
08/13/12 1905 WR705474	30	SGDDT/EI_00018	13aug12c		15	10	1 SAMPLE				
08/13/12 1919 WR705475	31	460-43175-E-6-B	13aug12c		15	10	1 SAMPLE				
08/13/12 1932 WR705476	32	460-43175-E-2-F	13aug12c		15	10	1 SAMPLE				
08/13/12 1946 WR705477	33	460-43175-E-3-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2000 WR705478	34	460-43175-L-8-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2014 WR705479	35	460-43175-E-1-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2028 WR705480	36	450-5886-E-1-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2042 WR705481	37	450-5886-E-2-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2056 WR705482	38	450-5886-E-3-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2110 WR705483	39	450-5886-E-4-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2124 WR705484	40	450-5886-E-5-B	13aug12c		15	10	1 SAMPLE				
08/13/12 2138 WR705485	41	450-5886-E-6-B	13aug12c		15	10	1 SAMPLE				
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20/2012

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: BESTGCA4.i

Analytical Batch: /chem1/BESTGCA4.i/.8081T/rear/Aug12/08-13-12/13aug12c.b

Date Generated: 08/14/2012

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Date	Data File	ALS File	Sample ID	L/PB	Ext. Date	IV/ IW	FV	DIL	SampleType	LOT	COMMENTS
08/13/12 2152	WR705486	450-5887-D-1-B	13aug12c		15	10			1 SAMPLE		✓
08/13/12 2206	WR705487	450-5887-D-2-B	13aug12c		15	10			1 SAMPLE		✓
Page 0	WR705488	450-5887-D-3-B	13aug12c		15	10			1 SAMPLE		✓
08/13/12 2219	WR705489	460-43235-E-1-A	460-123232	08/09/12 15.0	10				1 SAMPLE		✓
08/13/12 2247	WR705490	460-43235-E-2-A	460-123232	08/09/12 15	10				1 SAMPLE		✓
08/13/12 2301	WR705491	460-43235-E-3-A	460-123232	08/09/12 15	10				1 SAMPLE		✓
08/13/12 2315	WR705492	SGP1BLK_00013	13aug12c		15	10			1 SAMPLE		✓
08/13/12 2329	WR705493	SG3ESTL3_00013			0	0			1 CCALIB_3		✓
08/13/12 2343	WR705494	SGDDT/Ei_00018	13aug12c		15	10			1 SAMPLE		✓

Signed: John Read and Understood by:

John

Date: 08/14/12

08/20/2012

TESTAMERICA ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i  
Analytical Batch: /chemi/PESTGC4.i/8081T/rear/Auc12/08-16-12/16aug12a.b

Date Generated: 08/17/2012  
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TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PESTGC4.i  
Analytical Batch: /chem1/PESTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b

Date Generated: 08/17/2012  
Page 2

Date	Data File	ALS ID	Sample ID	LPB	Ext. Date	IV/ IW	FV	DIL FAC	SampleType	LOT	COMMENTS
08/16/12 1016	WR705674	15	460-43442-F-1-B	16aug12a	μ	15	10	1 SAMPLE	A	4	
08/16/12 1030	WR705675	16	460-43455-E-1-B	16aug12a		15	10	1 SAMPLE		5	
08/16/12 1044	WR705676	17	460-43175-E-9-A	16aug12a		990	5	1 SAMPLE		6	
08/16/12 1058	WR705677	18	460-42904-G-9-C	16aug12a		990	5	1 SAMPLE		6	
08/16/12 1112	WR705678	19	LCS 460-123081/2	16aug12a		1000	5	1 SAMPLE		6	
08/16/12 1126	WR705679	20	LCSD 460-123081/3-a	μ		1000	5	1 BSD		6	
08/16/12 1140	WR705680	21	LCS 460-123857/2-a			15	10	1 BS		6	
08/16/12 1153	WR705681	22	LCS 460-123265/2-a			100	5	1 BS		6	
08/16/12 1207	WR705682	23	PIBLK_00013	16aug12a		15	10	1 SAMPLE		6	
08/16/12 1221	WR705683	24	PESTL3_00013	μ		0	0	1 CCALIB_3		6	
08/16/12 1246	WR705684	25	SGDDT/Bi_00018	16aug12a		100	5	1 SAMPLE		6	
08/16/12 1300	WR705685	26	460-43223-A-4-B	16aug12a		100	5	1 MS		6	
08/16/12 1314	WR705686	27	460-43223-A-4-C	16aug12a		100	5	1 MSD		6	
08/16/12 1328	WR705687	28	460-42962-E-10-H	16aug12a		15	10	1 MS		6	

20/2012

ANALYTICAL INJECTION LOG SUMMARY TESTAMERICA

Instrument ID: PEStGC4.i  
Analytical Batch: /chem1/PEStGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b

Date Generated: 08/17/2012  
Page 3

Date	Data File	ALS	Sample ID	LPPB	Ext. Date	IV/ Date	FV	DIL	SampleType	LOT	COMMENTS
08/16/12 1341	WR705688	29	460-42962-E-10-1	16aug12a		15	10	1	MSD		
08/16/12 1355	WR705689	30	460-42962-E-10-J	460-123857	08/14/12	15.0	10	1	SAMPLE	A	9
08/16/12 1409	WR705690	31	460-42962-E-14-F	460-123857	08/14/12	15.0	10	1	SAMPLE		6
08/16/12 1423	WR705691	32	460-42962-E-18-F	460-123857	08/14/12	15.0	10	1	SAMPLE		6
08/16/12 1437	WR705692	33	LCS 460-123243/2-A			1000	5	1	BS		6
08/16/12 1451	WR705693	34	LCSD 460-123243/3-A			1000	5	1	BSD		6
08/16/12 1505	WR705694	35	460-43235-E-5-A	16aug12a		830	5	1	SAMPLE		6
08/16/12 1519	WR705695	36	LCS 460-123911/2-A			100	5	1	BS		6
08/16/12 1533	WR705696	37	LCSD 460-123911/3-A			100	5	1	BSD		6
08/16/12 1547	WR705697	38	460-43370-M-1-B	460-123911	08/14/12	1000	5	1	SAMPLE		6
08/16/12 1601	WR705698	39	460-43454-K-2-A	460-123911	08/14/12	1000	5	1	SAMPLE		6
08/16/12 1615	WR705699	40	MB 460-123911/1-A	16aug12a		1000	5	1	SAMPLE		6
08/16/12 1628	WR705700	41	MB 460-123243/1-A	16aug12a		1000	5	1	SAMPLE		6
08/06/12 1642	WR705701	42	MB 460-123857/1-A	16aug12a		15	10	1	SAMPLE		6

TESTAMERICA  
ANALYTICAL INJECTION LOG SUMMARY

Instrument ID: PBSTGC4.i  
Analytical Batch: /chem1/PBSTGC4.i/8081T/rear/Aug12/08-16-12/16aug12a.b

Date Generated: 08/17/2012  
Page 4

Date	Data	ALS	Sample	LPB	Ext.	IV	FV	DLU	SampleType	LOT	COMMENTS
	File		ID		Date	IW	FAC				
08/16/12 1656	WR705702	42	MB 460-123081/1-	16aug12a	44			1000	5   SAMPLE	4	
08/16/12 1710	WR705703	44	MB 460-123265/1-A	16aug12a		100	5   SAMPLE			5	
08/16/12 1724	WR705704	45	LB 460-123160/1-A	16aug12a		100	5   SAMPLE			5	
Page	08/16/12 1738	WR705705	46	PIBLK_00013	16aug12a		100   5   SAMPLE			5	
08/16/12 1752	WR705706	47	PESTL3_00013	47		0	0   CCALIB_3			5	
O	O	O	O	O	O	O	O	O	O	O	O

1675

Signed: AA Read and Understood by: Safur  
Date: 08/17/12

08/20/2012

## PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 123232

Batch Start Date: 08/09/12 08:35

Batch Analyst: Alinea, Archilles R

Batch Method: 3541

Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	SoxThermPosition	OP_PESTSP 00011	OPPSTPCBSU 00021	
MB 460-123232/1		3541, 8081A		15.00 g	10 mL	115		50 uL	
LCS 460-123232/2		3541, 8081A		15.00 g	10 mL	116	100 uL	50 uL	
460-43235-E-4 MS	20120807SB-435V0 -2N	3541, 8081A	T	15.01 g	10 mL	117	100 uL	50 uL	
460-43235-E-4 MSD	20120807SB-435V0 -2N	3541, 8081A	T	15.03 g	10 mL	118	100 uL	50 uL	
460-43235-E-1	20120807SB-437V0 -2N	3541, 8081A	T	15.04 g	10 mL	119		50 uL	
460-43235-E-2	20120807SB-438V5 -6N	3541, 8081A	T	15.00 g	10 mL	120		50 uL	
460-43235-E-3	20120807SB-436V0 -2N	3541, 8081A	T	15.00 g	10 mL	103		50 uL	
460-43235-E-4	20120807SB-435V0 -2N	3541, 8081A	T	15.05 g	10 mL	104		50 uL	

## Batch Notes

Balance ID	30
Batch Comment	pest-soil
Boiling Chips ID	902100
Person's name who did the concentration	archie
Florisil Lot #	s213-39
Vendor lot number	111e24
Na2SO4 Lot Number	135309
Person's name who did the prep	archie
Person's name who witnessed reagent drop	jose s
Solvent	hex./ace. mixed
SOP Number	3541
First Start time	8:35am

Basis	Basis Description
T	Total/NA

## PESTICIDES BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 123243

Batch Start Date: 08/09/12 10:08

Batch Analyst: Wu, Huachi

Batch Method: 3510C

Batch End Date: 08/09/12 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	OP_PESTSP 00011	OPPSTPCBSU 00021	
MB 460-123243/1		3510C, 8081A		7	1000 mL	5 mL		50 uL	
LCS 460-123243/2		3510C, 8081A		7	1000 mL	5 mL	100 uL	50 uL	
LCSD 460-123243/3		3510C, 8081A		7	1000 mL	5 mL	100 uL	50 uL	
460-43235-E-5	20120807EB	3510C, 8081A	T	7	830 mL	5 mL		50 uL	

Batch Notes	
Person's name who did the concentration	gt
Exchange Solvent Lot #	6383
Exchange Solvent Name	Hexane
N-evap temperature	35 Degrees C
Na2SO4 Lot Number	135309
Prep Solvent Lot #	5957
Prep Solvent Name	Mec12
Prep Solvent Volume Used	180 ml mL
Person's name who did the prep	gt
Person's name who witnessed reagent drop	Wuh
Sufficient volume for MS/MSD?	no

Basis	Basis Description
T	Total/NA

# **METALS**

COVER PAGE  
METALS

Lab Name: TestAmerica Edison Job Number: 460-43235-1

SDG No.: \_\_\_\_\_

Project: Rohm and Haas Philly Plant

Client Sample ID	Lab Sample ID
20120807SB-437V0-2N	460-43235-1
20120807SB-438V5-6N	460-43235-2
20120807SB-436V0-2N	460-43235-3
20120807SB-435V0-2N	460-43235-4
20120807EB	460-43235-5

Comments:

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 20120807SB-437V0-2N

Lab Sample ID: 460-43235-1

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/07/2012 08:50

Reporting Basis: DRY

Date Received: 08/07/2012 19:15

% Solids: 95.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	9860	41.3	18.8	mg/Kg			4	6010B
7440-36-0	Antimony	1.3	2.1	1.3	mg/Kg	U		4	6010B
7440-38-2	Arsenic	5.2	1.0	0.97	mg/Kg			4	6010B
7440-39-3	Barium	116	41.3	1.2	mg/Kg			4	6010B
7440-41-7	Beryllium	0.98	0.41	0.15	mg/Kg			4	6010B
7440-43-9	Cadmium	0.15	1.0	0.15	mg/Kg	U		4	6010B
7440-70-2	Calcium	30200	1030	73.2	mg/Kg			4	6010B
7440-47-3	Chromium	37.4	2.1	0.89	mg/Kg			4	6010B
7440-48-4	Cobalt	13.2	10.3	0.88	mg/Kg			4	6010B
7440-50-8	Copper	28.4	5.2	2.0	mg/Kg			4	6010B
7439-89-6	Iron	28800	31.0	12.5	mg/Kg			4	6010B
7439-92-1	Lead	16.2	1.0	0.89	mg/Kg			4	6010B
7439-95-4	Magnesium	11800	1030	74.4	mg/Kg			4	6010B
7439-96-5	Manganese	623	3.1	0.91	mg/Kg			4	6010B
7440-02-0	Nickel	27.2	8.3	0.91	mg/Kg			4	6010B
7440-09-7	Potassium	3010	1030	111	mg/Kg			4	6010B
7782-49-2	Selenium	1.4	2.1	1.4	mg/Kg	U		4	6010B
7440-22-4	Silver	0.21	2.1	0.21	mg/Kg	U		4	6010B
7440-23-5	Sodium	398	1030	163	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.2	2.1	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	46.1	10.3	0.79	mg/Kg			4	6010B
7440-66-6	Zinc	171	6.2	1.1	mg/Kg			4	6010B
7439-97-6	Mercury	0.023	0.034	0.023	mg/Kg	U		1	7471A

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 20120807SB-438V5-6N

Lab Sample ID: 460-43235-2

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/07/2012 09:25

Reporting Basis: DRY

Date Received: 08/07/2012 19:15

% Solids: 83.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2890	47.5	21.6	mg/Kg			4	6010B
7440-36-0	Antimony	1.5	2.4	1.5	mg/Kg	U		4	6010B
7440-38-2	Arsenic	36.9	1.2	1.1	mg/Kg			4	6010B
7440-39-3	Barium	49.3	47.5	1.4	mg/Kg			4	6010B
7440-41-7	Beryllium	0.17	0.47	0.17	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.50	1.2	0.18	mg/Kg	J		4	6010B
7440-70-2	Calcium	1460	1190	84.1	mg/Kg			4	6010B
7440-47-3	Chromium	33.6	2.4	1.0	mg/Kg			4	6010B
7440-48-4	Cobalt	2.3	11.9	1.0	mg/Kg	J		4	6010B
7440-50-8	Copper	23.0	5.9	2.3	mg/Kg			4	6010B
7439-89-6	Iron	31100	35.6	14.4	mg/Kg			4	6010B
7439-92-1	Lead	240	1.2	1.0	mg/Kg			4	6010B
7439-95-4	Magnesium	708	1190	85.5	mg/Kg	J		4	6010B
7439-96-5	Manganese	49.6	3.6	1.0	mg/Kg			4	6010B
7440-02-0	Nickel	5.7	9.5	1.0	mg/Kg	J		4	6010B
7440-09-7	Potassium	528	1190	127	mg/Kg	J		4	6010B
7782-49-2	Selenium	1.7	2.4	1.6	mg/Kg	J		4	6010B
7440-22-4	Silver	0.24	2.4	0.24	mg/Kg	U		4	6010B
7440-23-5	Sodium	827	1190	188	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.3	2.4	1.3	mg/Kg	U		4	6010B
7440-62-2	Vanadium	20.0	11.9	0.91	mg/Kg			4	6010B
7440-66-6	Zinc	238	7.1	1.3	mg/Kg			4	6010B
7439-97-6	Mercury	0.025	0.035	0.024	mg/Kg	J		1	7471A

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 20120807SB-436V0-2N

Lab Sample ID: 460-43235-3

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/07/2012 09:45

Reporting Basis: DRY

Date Received: 08/07/2012 19:15

% Solids: 97.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8290	37.3	17.0	mg/Kg			4	6010B
7440-36-0	Antimony	1.2	1.9	1.2	mg/Kg	U		4	6010B
7440-38-2	Arsenic	5.7	0.93	0.88	mg/Kg			4	6010B
7440-39-3	Barium	104	37.3	1.1	mg/Kg			4	6010B
7440-41-7	Beryllium	0.76	0.37	0.13	mg/Kg			4	6010B
7440-43-9	Cadmium	0.14	0.93	0.14	mg/Kg	U		4	6010B
7440-70-2	Calcium	26100	932	66.0	mg/Kg			4	6010B
7440-47-3	Chromium	29.8	1.9	0.80	mg/Kg			4	6010B
7440-48-4	Cobalt	9.9	9.3	0.79	mg/Kg			4	6010B
7440-50-8	Copper	26.0	4.7	1.8	mg/Kg			4	6010B
7439-89-6	Iron	24800	28.0	11.3	mg/Kg			4	6010B
7439-92-1	Lead	16.0	0.93	0.80	mg/Kg			4	6010B
7439-95-4	Magnesium	9730	932	67.1	mg/Kg			4	6010B
7439-96-5	Manganese	505	2.8	0.82	mg/Kg			4	6010B
7440-02-0	Nickel	21.8	7.5	0.82	mg/Kg			4	6010B
7440-09-7	Potassium	2560	932	99.8	mg/Kg			4	6010B
7782-49-2	Selenium	1.2	1.9	1.2	mg/Kg	U		4	6010B
7440-22-4	Silver	0.19	1.9	0.19	mg/Kg	U		4	6010B
7440-23-5	Sodium	244	932	147	mg/Kg	J		4	6010B
7440-28-0	Thallium	1.1	1.9	1.1	mg/Kg	U		4	6010B
7440-62-2	Vanadium	37.3	9.3	0.72	mg/Kg			4	6010B
7440-66-6	Zinc	100	5.6	1.0	mg/Kg			4	6010B
7439-97-6	Mercury	0.021	0.032	0.021	mg/Kg	U		1	7471A

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 20120807SB-435V0-2N

Lab Sample ID: 460-43235-4

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG ID.:

Matrix: Solid

Date Sampled: 08/07/2012 10:40

Reporting Basis: DRY

Date Received: 08/07/2012 19:15

% Solids: 80.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1460	44.0	20.0	mg/Kg			4	6010B
7440-36-0	Antimony	1.4	2.2	1.4	mg/Kg	U		4	6010B
7440-38-2	Arsenic	21.3	1.1	1.0	mg/Kg			4	6010B
7440-39-3	Barium	114	44.0	1.3	mg/Kg			4	6010B
7440-41-7	Beryllium	0.16	0.44	0.16	mg/Kg	U		4	6010B
7440-43-9	Cadmium	0.16	1.1	0.16	mg/Kg	U		4	6010B
7440-70-2	Calcium	922	1100	77.9	mg/Kg	J		4	6010B
7440-47-3	Chromium	6.5	2.2	0.95	mg/Kg			4	6010B
7440-48-4	Cobalt	3.8	11.0	0.94	mg/Kg	J		4	6010B
7440-50-8	Copper	96.2	5.5	2.1	mg/Kg			4	6010B
7439-89-6	Iron	22900	33.0	13.3	mg/Kg			4	6010B
7439-92-1	Lead	3220	1.1	0.95	mg/Kg			4	6010B
7439-95-4	Magnesium	133	1100	79.3	mg/Kg	J		4	6010B
7439-96-5	Manganese	24.4	3.3	0.97	mg/Kg			4	6010B
7440-02-0	Nickel	9.5	8.8	0.97	mg/Kg			4	6010B
7440-09-7	Potassium	853	1100	118	mg/Kg	J		4	6010B
7782-49-2	Selenium	3.3	2.2	1.5	mg/Kg			4	6010B
7440-22-4	Silver	0.22	2.2	0.22	mg/Kg	U		4	6010B
7440-23-5	Sodium	174	1100	174	mg/Kg	U		4	6010B
7440-28-0	Thallium	1.2	2.2	1.2	mg/Kg	U		4	6010B
7440-62-2	Vanadium	7.3	11.0	0.85	mg/Kg	J		4	6010B
7440-66-6	Zinc	71.6	6.6	1.2	mg/Kg			4	6010B
7439-97-6	Mercury	0.89	0.040	0.026	mg/Kg			1	7471A

1A-IN  
INORGANIC ANALYSIS DATA SHEET  
METALS

Client Sample ID: 20120807EB

Lab Sample ID: 460-43235-5

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG ID.:

Date Sampled: 08/07/2012 12:15

Matrix: Water

Date Received: 08/07/2012 19:15

Reporting Basis: WET

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	72.1	200	72.1	ug/L	U		1	6010B
7440-36-0	Antimony	7.4	10.0	7.4	ug/L	U		1	6010B
7440-38-2	Arsenic	3.7	5.0	3.7	ug/L	J		1	6010B
7440-39-3	Barium	5.9	200	5.9	ug/L	U		1	6010B
7440-41-7	Beryllium	0.78	2.0	0.78	ug/L	U		1	6010B
7440-43-9	Cadmium	0.82	5.0	0.82	ug/L	U		1	6010B
7440-70-2	Calcium	305	5000	305	ug/L	U		1	6010B
7440-47-3	Chromium	4.5	10.0	4.5	ug/L	U		1	6010B
7440-48-4	Cobalt	4.3	50.0	4.3	ug/L	U		1	6010B
7440-50-8	Copper	7.8	25.0	7.8	ug/L	U		1	6010B
7439-89-6	Iron	73.6	150	73.6	ug/L	U		1	6010B
7439-92-1	Lead	4.0	5.0	4.0	ug/L	U		1	6010B
7439-95-4	Magnesium	321	5000	321	ug/L	U		1	6010B
7439-96-5	Manganese	4.3	15.0	4.3	ug/L	U		1	6010B
7440-02-0	Nickel	5.0	40.0	5.0	ug/L	U		1	6010B
7440-09-7	Potassium	525	5000	525	ug/L	U		1	6010B
7782-49-2	Selenium	5.8	10.0	5.8	ug/L	U		1	6010B
7440-22-4	Silver	1.3	10.0	1.3	ug/L	U		1	6010B
7440-23-5	Sodium	821	5000	821	ug/L	U		1	6010B
7440-28-0	Thallium	5.2	10.0	5.2	ug/L	U		1	6010B
7440-62-2	Vanadium	4.0	50.0	4.0	ug/L	U		1	6010B
7440-66-6	Zinc	5.8	30.0	5.8	ug/L	U		1	6010B
7439-97-6	Mercury	0.16	0.20	0.16	ug/L	U		1	7470A

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

ICV Source: ME\_CCV\_DUO\_00056 Concentration Units: ug/L

CCV Source: ME\_CCV\_DUO\_00056

Analyte	ICV 460-123318/7 08/09/2012 11:13				CCV 460-123318/43 08/09/2012 13:23				CCV 460-123318/55 08/09/2012 14:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Aluminum</b>	126000		125000	101	127000		125000	102	125400		125000	100
<b>Antimony</b>	994.0		1000	99	1007		1000	101	1012		1000	101
<b>Arsenic</b>	2482		2500	99	2519		2500	101	2520		2500	101
<b>Barium</b>	10040		10000	100	10110		10000	101	10060		10000	101
<b>Beryllium</b>	1008		1000	101	997.8		1000	100	997.7		1000	100
<b>Cadmium</b>	1253		1250	100	1268		1250	101	1262		1250	101
<b>Calcium</b>	128900		125000	103	127300		125000	102	126300		125000	101
<b>Chromium</b>	5059		5000	101	5105		5000	102	5045		5000	101
<b>Cobalt</b>	2513		2500	101	2539		2500	102	2539		2500	102
<b>Copper</b>	12640		12500	101	12470		12500	100	12430		12500	99
<b>Iron</b>	101400		100000	101	101900		100000	102	100600		100000	101
<b>Lead</b>	7621		7500	102	7670		7500	102	7638		7500	102
<b>Magnesium</b>	125800		125000	101	127200		125000	102	125000		125000	100
<b>Manganese</b>	5145		5000	103	5138		5000	103	5109		5000	102
<b>Nickel</b>	2526		2500	101	2555		2500	102	2551		2500	102
<b>Potassium</b>	50380		50000	101	50140		50000	100	50080		50000	100
<b>Selenium</b>	2466		2500	99	2514		2500	101	2520		2500	101
<b>Silver</b>	1248		1250	100	1254		1250	100	1244		1250	100
<b>Sodium</b>	126100		125000	101	127100		125000	102	120900		125000	97
<b>Thallium</b>	2523		2500	101	2538		2500	102	2524		2500	101
<b>Vanadium</b>	2494		2500	100	2490		2500	100	2464		2500	99
<b>Zinc</b>	2506		2500	100	2531		2500	101	2521		2500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_CCV\_DUO\_00056 Concentration Units: ug/L

CCV Source: ME\_CCV\_DUO\_00056

Analyte	CCV 460-123318/67 08/09/2012 14:51				CCV 460-123318/79 08/09/2012 15:35							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Aluminum</b>	125300		125000	100	126100		125000	101				
<b>Antimony</b>	1003		1000	100	1006		1000	101				
<b>Arsenic</b>	2498		2500	100	2487		2500	99				
<b>Barium</b>	9969		10000	100	9983		10000	100				
<b>Beryllium</b>	997.7		1000	100	1002		1000	100				
<b>Cadmium</b>	1250		1250	100	1250		1250	100				
<b>Calcium</b>	126300		125000	101	126800		125000	101				
<b>Chromium</b>	5007		5000	100	5010		5000	100				
<b>Cobalt</b>	2519		2500	101	2524		2500	101				
<b>Copper</b>	12450		12500	100	12480		12500	100				
<b>Iron</b>	100000		100000	100	99840		100000	100				
<b>Lead</b>	7560		7500	101	7558		7500	101				
<b>Magnesium</b>	124000		125000	99	123800		125000	99				
<b>Manganese</b>	5088		5000	102	5088		5000	102				
<b>Nickel</b>	2527		2500	101	2533		2500	101				
<b>Potassium</b>	49880		50000	100	50090		50000	100				
<b>Selenium</b>	2504		2500	100	2486		2500	99				
<b>Silver</b>	1241		1250	99	1237		1250	99				
<b>Sodium</b>	125200		125000	100	127000		125000	102				
<b>Thallium</b>	2505		2500	100	2496		2500	100				
<b>Vanadium</b>	2446		2500	98	2433		2500	97				
<b>Zinc</b>	2495		2500	100	2496		2500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
ICV Source: ME\_CCV\_DUO\_00056 Concentration Units: ug/L  
CCV Source: ME\_CCV\_DUO\_00056

Analyte	ICV 460-124428/7 08/16/2012 19:08				CCV 460-124428/55 08/16/2012 22:01				CCV 460-124428/67 08/16/2012 22:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Aluminum</b>	124500		125000	100	123600		125000	99	123900		125000	99
<b>Antimony</b>	993.9		1000	99	986.6		1000	99	972.3		1000	97
<b>Arsenic</b>	2483		2500	99	2461		2500	98	2442		2500	98
<b>Barium</b>	9938		10000	99	9857		10000	99	9816		10000	98
<b>Beryllium</b>	993.0		1000	99	979.3		1000	98	978.0		1000	98
<b>Cadmium</b>	1251		1250	100	1240		1250	99	1233		1250	99
<b>Calcium</b>	126500		125000	101	124500		125000	100	125500		125000	100
<b>Chromium</b>	5022		5000	100	4984		5000	100	4968		5000	99
<b>Cobalt</b>	2504		2500	100	2476		2500	99	2457		2500	98
<b>Copper</b>	12530		12500	100	12370		12500	99	12440		12500	100
<b>Iron</b>	100800		100000	101	99890		100000	100	99710		100000	100
<b>Lead</b>	7612		7500	101	7543		7500	101	7502		7500	100
<b>Magnesium</b>	125100		125000	100	124200		125000	99	123700		125000	99
<b>Manganese</b>	5102		5000	102	5036		5000	101	5028		5000	101
<b>Nickel</b>	2514		2500	101	2494		2500	100	2475		2500	99
<b>Potassium</b>	49990		50000	100	49060		50000	98	49280		50000	99
<b>Selenium</b>	2476		2500	99	2452		2500	98	2436		2500	97
<b>Silver</b>	1238		1250	99	1228		1250	98	1226		1250	98
<b>Sodium</b>	124900		125000	100	123600		125000	99	124000		125000	99
<b>Thallium</b>	2515		2500	101	2502		2500	100	2480		2500	99
<b>Vanadium</b>	2484		2500	99	2463		2500	99	2460		2500	98
<b>Zinc</b>	2504		2500	100	2479		2500	99	2461		2500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
ICV Source: ME\_CCV\_DUO\_00056 Concentration Units: ug/L  
CCV Source: ME\_CCV\_DUO\_00056

Analyte	CCV 460-124428/79 08/16/2012 23:27				CCV 460-124428/91 08/17/2012 00:10							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Aluminum</b>	122900		125000	98	122600		125000	98				
<b>Antimony</b>	974.3		1000	97	971.9		1000	97				
<b>Arsenic</b>	2446		2500	98	2439		2500	98				
<b>Barium</b>	9818		10000	98	9773		10000	98				
<b>Beryllium</b>	973.7		1000	97	974.6		1000	97				
<b>Cadmium</b>	1236		1250	99	1231		1250	98				
<b>Calcium</b>	123700		125000	99	123500		125000	99				
<b>Chromium</b>	4971		5000	99	4967		5000	99				
<b>Cobalt</b>	2460		2500	98	2445		2500	98				
<b>Copper</b>	12240		12500	98	12220		12500	98				
<b>Iron</b>	99730		100000	100	99540		100000	100				
<b>Lead</b>	7508		7500	100	7478		7500	100				
<b>Magnesium</b>	124100		125000	99	123900		125000	99				
<b>Manganese</b>	5002		5000	100	4998		5000	100				
<b>Nickel</b>	2480		2500	99	2468		2500	99				
<b>Potassium</b>	48680		50000	97	48510		50000	97				
<b>Selenium</b>	2448		2500	98	2431		2500	97				
<b>Silver</b>	1226		1250	98	1223		1250	98				
<b>Sodium</b>	122700		125000	98	122500		125000	98				
<b>Thallium</b>	2495		2500	100	2481		2500	99				
<b>Vanadium</b>	2460		2500	98	2455		2500	98				
<b>Zinc</b>	2467		2500	99	2453		2500	98				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_DCAL-IN\_00878 Concentration Units: ug/L

CCV Source: ME\_DCAL-IN\_00878

Analyte	ICV 460-123474/31-A 08/10/2012 14:06				CCV 460-123474/33-A 08/10/2012 14:28				CCV 460-123474/33-A 08/10/2012 14:49			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	5.11		5.00	102	5.16		5.00	103	5.08		5.00	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

ICV Source: ME\_DCAL-IN\_00878 Concentration Units: ug/L

CCV Source: ME\_DCAL-IN\_00878

Analyte	CCV 460-123474/33-A 08/10/2012 15:08											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	5.05		5.00	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
ICV Source: ME\_DQCS-INT\_00594 Concentration Units: ug/L  
CCV Source: ME\_DQCS-INT\_00594

Analyte	ICV 460-124374/7-A 08/16/2012 19:11				CCV 460-124374/8-A 08/16/2012 19:35				CCV 460-124374/8-A 08/16/2012 20:00			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	866.7		833	104	828.3		833	99	841.7		833	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

2A-IN  
CALIBRATION VERIFICATIONS  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
ICV Source: ME\_DQCS-INT\_00594 Concentration Units: ug/L  
CCV Source: ME\_DQCS-INT\_00594

Analyte	CCV 460-124374/8-A 08/16/2012 20:18											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Mercury</b>	843.3		833	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	ICB 460-123318/8 08/09/2012 11:16		CCB 460-123318/44 08/09/2012 13:26		CCB 460-123318/56 08/09/2012 14:10		CCB 460-123318/68 08/09/2012 14:54	
		Found	C	Found	C	Found	C	Found	C
<b>Aluminum</b>	200	72.1	U	72.1	U	72.1	U	72.1	U
<b>Antimony</b>	10.0	7.4	U	7.4	U	7.4	U	7.4	U
<b>Arsenic</b>	5.0	3.7	U	3.7	U	3.7	U	3.7	U
<b>Barium</b>	200	5.9	U	5.9	U	5.9	U	5.9	U
<b>Beryllium</b>	2.0	0.78	U	0.78	U	0.78	U	0.78	U
<b>Cadmium</b>	5.0	0.82	U	0.82	U	0.82	U	0.82	U
<b>Calcium</b>	5000	305	U	305	U	305	U	305	U
<b>Chromium</b>	10.0	4.5	U	4.5	U	4.5	U	4.5	U
<b>Cobalt</b>	50.0	4.3	U	4.3	U	4.3	U	4.3	U
<b>Copper</b>	25.0	7.8	U	7.8	U	7.8	U	7.8	U
<b>Iron</b>	150	73.6	U	73.6	U	73.6	U	73.6	U
<b>Lead</b>	5.0	4.0	U	4.0	U	4.0	U	4.0	U
<b>Magnesium</b>	5000	321	U	321	U	321	U	321	U
<b>Manganese</b>	15.0	4.3	U	4.3	U	4.3	U	4.3	U
<b>Nickel</b>	40.0	5.0	U	5.0	U	5.0	U	5.0	U
<b>Potassium</b>	5000	525	U	525	U	525	U	525	U
<b>Selenium</b>	10.0	5.8	U	5.8	U	5.8	U	5.8	U
<b>Silver</b>	10.0	1.3	U	1.3	U	1.3	U	1.3	U
<b>Sodium</b>	5000	821	U	821	U	821	U	821	U
<b>Thallium</b>	10.0	5.2	U	5.2	U	5.2	U	5.2	U
<b>Vanadium</b>	50.0	4.0	U	4.0	U	4.0	U	4.0	U
<b>Zinc</b>	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	CCB 460-123318/80 08/09/2012 15:38							
		Found	C	Found	C	Found	C	Found	C
<b>Aluminum</b>	200	72.1	U						
<b>Antimony</b>	10.0	7.4	U						
<b>Arsenic</b>	5.0	3.7	U						
<b>Barium</b>	200	5.9	U						
<b>Beryllium</b>	2.0	0.78	U						
<b>Cadmium</b>	5.0	0.82	U						
<b>Calcium</b>	5000	305	U						
<b>Chromium</b>	10.0	4.5	U						
<b>Cobalt</b>	50.0	4.3	U						
<b>Copper</b>	25.0	7.8	U						
<b>Iron</b>	150	73.6	U						
<b>Lead</b>	5.0	4.0	U						
<b>Magnesium</b>	5000	321	U						
<b>Manganese</b>	15.0	4.3	U						
<b>Nickel</b>	40.0	5.0	U						
<b>Potassium</b>	5000	525	U						
<b>Selenium</b>	10.0	5.8	U						
<b>Silver</b>	10.0	1.3	U						
<b>Sodium</b>	5000	821	U						
<b>Thallium</b>	10.0	5.2	U						
<b>Vanadium</b>	50.0	4.0	U						
<b>Zinc</b>	30.0	5.8	U						

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	ICB 460-124428/8 08/16/2012 19:12		CCB 460-124428/56 08/16/2012 22:05		CCB 460-124428/68 08/16/2012 22:47		CCB 460-124428/80 08/16/2012 23:31	
		Found	C	Found	C	Found	C	Found	C
<b>Aluminum</b>	200	72.1	U	72.1	U	72.1	U	72.1	U
<b>Antimony</b>	10.0	7.4	U	7.4	U	7.4	U	7.4	U
<b>Arsenic</b>	5.0	3.7	U	3.7	U	3.7	U	3.7	U
<b>Barium</b>	200	5.9	U	5.9	U	5.9	U	5.9	U
<b>Beryllium</b>	2.0	0.78	U	0.78	U	0.78	U	0.78	U
<b>Cadmium</b>	5.0	0.82	U	0.82	U	0.82	U	0.82	U
<b>Calcium</b>	5000	305	U	305	U	305	U	305	U
<b>Chromium</b>	10.0	4.5	U	4.5	U	4.5	U	4.5	U
<b>Cobalt</b>	50.0	4.3	U	4.3	U	4.3	U	4.3	U
<b>Copper</b>	25.0	7.8	U	7.8	U	7.8	U	7.8	U
<b>Iron</b>	150	73.6	U	73.6	U	73.6	U	73.6	U
<b>Lead</b>	5.0	4.0	U	4.0	U	4.0	U	4.0	U
<b>Magnesium</b>	5000	321	U	321	U	321	U	321	U
<b>Manganese</b>	15.0	4.3	U	4.3	U	4.3	U	4.3	U
<b>Nickel</b>	40.0	5.0	U	5.0	U	5.0	U	5.0	U
<b>Potassium</b>	5000	525	U	525	U	525	U	525	U
<b>Selenium</b>	10.0	5.8	U	5.8	U	5.8	U	5.8	U
<b>Silver</b>	10.0	1.3	U	1.3	U	1.3	U	1.3	U
<b>Sodium</b>	5000	821	U	821	U	821	U	821	U
<b>Thallium</b>	10.0	5.2	U	5.2	U	5.2	U	5.2	U
<b>Vanadium</b>	50.0	4.0	U	4.0	U	4.0	U	4.0	U
<b>Zinc</b>	30.0	5.8	U	5.8	U	5.8	U	5.8	U

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	CCB 460-124428/92 08/17/2012 00:14							
		Found	C	Found	C	Found	C	Found	C
<b>Aluminum</b>	200	72.1	U						
<b>Antimony</b>	10.0	7.4	U						
<b>Arsenic</b>	5.0	3.7	U						
<b>Barium</b>	200	5.9	U						
<b>Beryllium</b>	2.0	0.78	U						
<b>Cadmium</b>	5.0	0.82	U						
<b>Calcium</b>	5000	305	U						
<b>Chromium</b>	10.0	4.5	U						
<b>Cobalt</b>	50.0	4.3	U						
<b>Copper</b>	25.0	7.8	U						
<b>Iron</b>	150	73.6	U						
<b>Lead</b>	5.0	4.0	U						
<b>Magnesium</b>	5000	321	U						
<b>Manganese</b>	15.0	4.3	U						
<b>Nickel</b>	40.0	5.0	U						
<b>Potassium</b>	5000	525	U						
<b>Selenium</b>	10.0	5.8	U						
<b>Silver</b>	10.0	1.3	U						
<b>Sodium</b>	5000	821	U						
<b>Thallium</b>	10.0	5.2	U						
<b>Vanadium</b>	50.0	4.0	U						
<b>Zinc</b>	30.0	5.8	U						

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	ICB 460-123522/8 08/10/2012 14:08		CCB 460-123522/20 08/10/2012 14:30		CCB 460-123522/31 08/10/2012 14:51		CCB 460-123522/41 08/10/2012 15:10		
		Found	C	Found	C	Found	C	Found	C	
<b>Mercury</b>		0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L

Analyte	RL	ICB 460-124399/8 08/16/2012 19:13		CCB 460-124399/20 08/16/2012 19:37		CCB 460-124399/32 08/16/2012 20:02		CCB 460-124399/41 08/16/2012 20:20		
		Found	C	Found	C	Found	C	Found	C	
<b>Mercury</b>		0.20	0.16	U	0.16	U	0.16	U	0.16	U

Italicized analytes were not requested for this sequence.

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L Lab Sample ID: MB 460-123227/1-A

Instrument Code: ICP4 Batch No.: 123318

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	72.1	U		6010B
7440-36-0	Antimony	7.4	U		6010B
7440-38-2	Arsenic	3.7	U		6010B
7440-39-3	Barium	5.9	U		6010B
7440-41-7	Beryllium	0.78	U		6010B
7440-43-9	Cadmium	0.82	U		6010B
7440-70-2	Calcium	305	U		6010B
7440-47-3	Chromium	4.5	U		6010B
7440-48-4	Cobalt	4.3	U		6010B
7440-50-8	Copper	7.8	U		6010B
7439-89-6	Iron	73.6	U		6010B
7439-92-1	Lead	4.0	U		6010B
7439-95-4	Magnesium	321	U		6010B
7439-96-5	Manganese	4.3	U		6010B
7440-02-0	Nickel	5.0	U		6010B
7440-09-7	Potassium	525	U		6010B
7782-49-2	Selenium	5.8	U		6010B
7440-22-4	Silver	1.3	U		6010B
7440-23-5	Sodium	821	U		6010B
7440-28-0	Thallium	5.2	U		6010B
7440-62-2	Vanadium	4.0	U		6010B
7440-66-6	Zinc	5.8	U		6010B

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: mg/Kg Lab Sample ID: MB 460-124251/1-A ^2

Instrument Code: ICP4 Batch No.: 124428

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	9.1	U		6010B
7440-36-0	Antimony	0.62	U		6010B
7440-38-2	Arsenic	0.47	U		6010B
7440-39-3	Barium	0.57	U		6010B
7440-41-7	Beryllium	0.072	U		6010B
7440-43-9	Cadmium	0.074	U		6010B
7440-70-2	Calcium	35.4	U		6010B
7440-47-3	Chromium	0.43	U		6010B
7440-48-4	Cobalt	0.43	U		6010B
7440-50-8	Copper	0.97	U		6010B
7439-89-6	Iron	6.1	U		6010B
7439-92-1	Lead	0.43	U		6010B
7439-95-4	Magnesium	36.0	U		6010B
7439-96-5	Manganese	0.44	U		6010B
7440-02-0	Nickel	0.44	U		6010B
7440-09-7	Potassium	53.5	U		6010B
7782-49-2	Selenium	0.66	U		6010B
7440-22-4	Silver	0.10	U		6010B
7440-23-5	Sodium	79.0	U		6010B
7440-28-0	Thallium	0.57	U		6010B
7440-62-2	Vanadium	0.38	U		6010B
7440-66-6	Zinc	0.54	U		6010B

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: ug/L Lab Sample ID: MB 460-123474/1-A

Instrument Code: LEEMAN3 Batch No.: 123522

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.16	U		7470A

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Concentration Units: mg/Kg Lab Sample ID: MB 460-124374/10-A

Instrument Code: LEEMAN5 Batch No.: 124399

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.022	U		7471A

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICSA 460-123318/9 Instrument ID: ICP4  
Lab File ID: 08092012.asc ICS Source: ME\_ICSA\_Duo\_00039  
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
<b>Aluminum</b>	<b>500000</b>	<b>514200</b>	<b>103</b>
<b>Antimony</b>		<b>-2.49</b>	
<b>Arsenic</b>		<b>1.07</b>	
<b>Barium</b>		<b>-0.681</b>	
<b>Beryllium</b>		<b>0.0510</b>	
<b>Cadmium</b>		<b>-1.06</b>	
<b>Calcium</b>	<b>500000</b>	<b>466800</b>	<b>93</b>
<b>Chromium</b>		<b>0.165</b>	
<b>Cobalt</b>		<b>-0.443</b>	
<b>Copper</b>		<b>3.52</b>	
<b>Iron</b>	<b>200000</b>	<b>202500</b>	<b>101</b>
<b>Lead</b>		<b>0.774</b>	
<b>Magnesium</b>	<b>500000</b>	<b>523600</b>	<b>105</b>
<b>Manganese</b>		<b>-1.57</b>	
<b>Nickel</b>		<b>0.839</b>	
<b>Potassium</b>		<b>-200</b>	
<b>Selenium</b>		<b>0.415</b>	
<b>Silver</b>		<b>-1.93</b>	
<b>Sodium</b>		<b>-148</b>	
<b>Thallium</b>		<b>-2.30</b>	
<b>Vanadium</b>		<b>-3.10</b>	
<b>Zinc</b>		<b>-3.30</b>	
<i>Boron</i>		<b>1.93</b>	
<i>Molybdenum</i>		<b>-2.46</b>	
<i>Strontium</i>		<b>1.43</b>	
<i>Tin</i>		<b>-0.663</b>	
<i>Titanium</i>		<b>-3.60</b>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICSAB 460-123318/10 Instrument ID: ICP4  
Lab File ID: 08092012.asc ICS Source: ME\_ICSAB\_DUO\_00040  
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
<b>Aluminum</b>	500000	512900	103
<b>Antimony</b>	100	93.5	94
<b>Arsenic</b>	100	101	101
<b>Barium</b>	100	97.6	98
<b>Beryllium</b>	100	100	100
<b>Cadmium</b>	100	96.6	97
<b>Calcium</b>	500000	466900	93
<b>Chromium</b>	100	101	101
<b>Cobalt</b>	100	95.9	96
<b>Copper</b>	100	98.9	99
<b>Iron</b>	200000	201600	101
<b>Lead</b>	100	98.0	98
<b>Magnesium</b>	500000	522400	104
<b>Manganese</b>	100	101	101
<b>Nickel</b>	100	95.5	95
<b>Potassium</b>	10000	10350	104
<b>Selenium</b>	100	94.1	94
<b>Silver</b>	100	104	104
<b>Sodium</b>	10000	10420	104
<b>Thallium</b>	100	93.5	94
<b>Vanadium</b>	100	97.7	98
<b>Zinc</b>	100	93.6	94
<b>Boron</b>	100	98.2	98
<b>Molybdenum</b>	100	93.9	94
<b>Strontium</b>	100	102	102
<b>Tin</b>	100	97.4	97
<b>Titanium</b>	100	96.9	97

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICSA 460-124428/9 Instrument ID: ICP4  
Lab File ID: 08162012A.asc ICS Source: ME\_ICSA\_Duo\_00039  
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution A	Solution A	
<b>Aluminum</b>	<b>500000</b>	<b>513900</b>	<b>103</b>
<b>Antimony</b>		<b>2.76</b>	
<b>Arsenic</b>		<b>-3.31</b>	
<b>Barium</b>		<b>2.55</b>	
<b>Beryllium</b>		<b>-0.252</b>	
<b>Cadmium</b>		<b>-0.562</b>	
<b>Calcium</b>	<b>500000</b>	<b>481300</b>	<b>96</b>
<b>Chromium</b>		<b>0.583</b>	
<b>Cobalt</b>		<b>-1.35</b>	
<b>Copper</b>		<b>-7.86</b>	
<b>Iron</b>	<b>200000</b>	<b>202200</b>	<b>101</b>
<b>Lead</b>		<b>-1.13</b>	
<b>Magnesium</b>	<b>500000</b>	<b>522100</b>	<b>104</b>
<b>Manganese</b>		<b>-1.49</b>	
<b>Nickel</b>		<b>0.287</b>	
<b>Potassium</b>		<b>-260</b>	
<b>Selenium</b>		<b>2.30</b>	
<b>Silver</b>		<b>-1.74</b>	
<b>Sodium</b>		<b>-74.4</b>	
<b>Thallium</b>		<b>-3.87</b>	
<b>Vanadium</b>		<b>-3.04</b>	
<b>Zinc</b>		<b>0.729</b>	
<i>Boron</i>		<b>2.31</b>	
<i>Molybdenum</i>		<b>-1.28</b>	
<i>Strontium</i>		<b>0.303</b>	
<i>Tin</i>		<b>3.48</b>	
<i>Titanium</i>		<b>2.91</b>	

Calculations are performed before rounding to avoid round-off errors in calculated results.

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1  
SDG No.: \_\_\_\_\_  
Lab Sample ID: ICSAB 460-124428/10 Instrument ID: ICP4  
Lab File ID: 08162012A.asc ICS Source: ME\_ICSAB\_DUO\_00040  
Concentration Units: ug/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
<b>Aluminum</b>	500000	512200	102
<b>Antimony</b>	100	96.2	96
<b>Arsenic</b>	100	96.9	97
<b>Barium</b>	100	101	101
<b>Beryllium</b>	100	99.7	100
<b>Cadmium</b>	100	97.3	97
<b>Calcium</b>	500000	473000	95
<b>Chromium</b>	100	101	101
<b>Cobalt</b>	100	95.7	96
<b>Copper</b>	100	93.9	94
<b>Iron</b>	200000	201900	101
<b>Lead</b>	100	93.3	93
<b>Magnesium</b>	500000	522800	105
<b>Manganese</b>	100	101	101
<b>Nickel</b>	100	95.7	96
<b>Potassium</b>	10000	10370	104
<b>Selenium</b>	100	98.9	99
<b>Silver</b>	100	103	103
<b>Sodium</b>	10000	10520	105
<b>Thallium</b>	100	92.9	93
<b>Vanadium</b>	100	97.5	97
<b>Zinc</b>	100	98.6	99
<b>Boron</b>	100	95.3	95
<b>Molybdenum</b>	100	94.5	95
<b>Strontium</b>	100	102	102
<b>Tin</b>	100	98.3	98
<b>Titanium</b>	100	101	101

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN  
 MATRIX SPIKE SAMPLE RECOVERY  
 METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43269-H-4-C MS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water

Concentration Units: ug/L

% Solids: \_\_\_\_\_

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	2129	120 J	2000	100	75-125		6010B
Antimony	477.6	7.4 U	500	96	75-125		6010B
Arsenic	1924	3.7 U	2000	96	75-125		6010B
Barium	2248	257	2000	100	75-125		6010B
Beryllium	51.16	0.78 U	50.0	102	75-125		6010B
Cadmium	50.64	0.82 U	50.0	101	75-125		6010B
Calcium	24990	4250 J	20000	104	75-125		6010B
Chromium	313.7	114	200	100	75-125		6010B
Cobalt	512.5	5.5 J	500	101	75-125		6010B
Copper	259.7	7.8 U	250	104	75-125		6010B
Iron	1231	231	1000	100	75-125		6010B
Lead	514.4	4.0 U	500	103	75-125		6010B
Magnesium	26030	6900	20000	96	75-125		6010B
Manganese	649.7	128	500	104	75-125		6010B
Nickel	829.9	331	500	100	75-125		6010B
Potassium	22350	2750 J	20000	98	75-125		6010B
Selenium	1913	5.8 U	2000	96	75-125		6010B
Silver	48.23	1.3 U	50.0	96	75-125		6010B
Sodium	39810	20100	20000	99	75-125		6010B
Thallium	2106	5.2 U	2000	105	75-125		6010B
Vanadium	492.2	4.0 U	500	98	75-125		6010B
Zinc	513.5	10.3 J	500	101	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN  
MATRIX SPIKE SAMPLE RECOVERY  
METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43054-D-3-F MS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water

Concentration Units: ug/L

% Solids: \_\_\_\_\_

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.32	0.35	1.00	97	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5A-IN  
MATRIX SPIKE SAMPLE RECOVERY  
METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43408-D-46-I MS ^4

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 93.3

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10290	7450	206	1380	75-125	4	6010B
Antimony	84.16	6.4	51.5	151	75-125	F	6010B
Arsenic	190.1	3.2	206	91	75-125		6010B
Barium	318.3	115	206	99	75-125		6010B
Beryllium	5.12	0.27 J	5.15	94	75-125		6010B
Cadmium	7.91	1.8	5.15	119	75-125		6010B
Calcium	3792	1200	2060	126	75-125	F	6010B
Chromium	40.84	16.0	20.6	120	75-125		6010B
Cobalt	52.91	4.0 J	51.5	95	75-125		6010B
Copper	56.86	24.3	25.8	126	75-125	F	6010B
Iron	22430	13500	103	8622	75-125	4	6010B
Lead	1826	342	51.5	2878	75-125	4	6010B
Magnesium	3181	1030 J	2060	104	75-125		6010B
Manganese	227.2	137	51.5	174	75-125	F	6010B
Nickel	78.72	28.3	51.5	98	75-125		6010B
Potassium	2299	327 J	2060	96	75-125		6010B
Selenium	179.3	1.4 U	206	87	75-125		6010B
Silver	4.69	0.21 U	5.15	91	75-125		6010B
Sodium	1961	164 U	2060	95	75-125		6010B
Thallium	200.4	1.2 U	206	97	75-125		6010B
Vanadium	69.13	19.8	51.5	96	75-125		6010B
Zinc	550.9	303	51.5	480	75-125	4	6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.  
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN  
MATRIX SPIKE SAMPLE RECOVERY  
METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43103-E-11-H MS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Concentration Units: mg/Kg

% Solids: 87.0

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.238	0.033 J	0.192	107	75-125		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.  
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5B-IN  
 POST DIGESTION SPIKE SAMPLE RECOVERY  
 METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43269-H-4-A PDS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Water

Concentration Units: ug/L

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) C	%R	Control Limit %R	Q	Method	
Aluminum	2080	120	J	2000	98	75-125		6010B
Antimony	480.2	7.4	U	500	96	75-125		6010B
Arsenic	1914	3.7	U	2000	96	75-125		6010B
Barium	2238	257		2000	99	75-125		6010B
Beryllium	49.93	0.78	U	50.0	100	75-125		6010B
Cadmium	49.88	0.82	U	50.0	100	75-125		6010B
Calcium	24660	4250	J	20000	102	75-125		6010B
Chromium	312.1	114		200	99	75-125		6010B
Cobalt	503.8	5.5	J	500	100	75-125		6010B
Copper	254.8	7.8	U	250	102	75-125		6010B
Iron	1247	231		1000	102	75-125		6010B
Lead	503.6	4.0	U	500	101	75-125		6010B
Magnesium	25980	6900		20000	95	75-125		6010B
Manganese	640.3	128		500	102	75-125		6010B
Nickel	822.2	331		500	98	75-125		6010B
Potassium	22200	2750	J	20000	97	75-125		6010B
Selenium	1882	5.8	U	2000	94	75-125		6010B
Silver	47.55	1.3	U	50.0	95	75-125		6010B
Sodium	39360	20100		20000	96	75-125		6010B
Thallium	2066	5.2	U	2000	103	75-125		6010B
Vanadium	482.2	4.0	U	500	96	75-125		6010B
Zinc	505.6	10.3	J	500	99	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

5B-IN  
 POST DIGESTION SPIKE SAMPLE RECOVERY  
 METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43408-D-46-F PDS ^4

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Matrix: Solid

Concentration Units: mg/Kg

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA) C	%R	Control Limit %R	Q	Method
Aluminum	7838	7450	416	NC	75-125		6010B
Antimony	98.53	6.4	104	89	75-125		6010B
Arsenic	384.1	3.2	416	91	75-125		6010B
Barium	508.0	115	416	94	75-125		6010B
Beryllium	10.10	0.27	J 10.4	94	75-125		6010B
Cadmium	11.62	1.8	10.4	94	75-125		6010B
Calcium	5257	1200	4160	97	75-125		6010B
Chromium	55.77	16.0	41.6	96	75-125		6010B
Cobalt	102.1	4.0	J 104	94	75-125		6010B
Copper	73.72	24.3	52.0	95	75-125		6010B
Iron	13680	13500	208	NC	75-125		6010B
Lead	435.7	342	104	90	75-125		6010B
Magnesium	4876	1030	J 4160	92	75-125		6010B
Manganese	238.6	137	104	97	75-125		6010B
Nickel	127.2	28.3	104	95	75-125		6010B
Potassium	4201	327	J 4160	93	75-125		6010B
Selenium	370.4	1.4	U 416	89	75-125		6010B
Silver	9.33	0.21	U 10.4	90	75-125		6010B
Sodium	3964	164	U 4160	95	75-125		6010B
Thallium	406.6	1.2	U 416	98	75-125		6010B
Vanadium	116.9	19.8	104	93	75-125		6010B
Zinc	399.3	303	104	92	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN  
DUPLICATES  
METALS

Client ID: \_\_\_\_\_ Lab ID: 460-43269-H-4-B DU \_\_\_\_\_  
 Lab Name: TestAmerica Edison Job No.: 460-43235-1 \_\_\_\_\_  
 SDG No.: \_\_\_\_\_  
 % Solids for Sample: \_\_\_\_\_ % Solids for Duplicate: \_\_\_\_\_  
 Matrix: Water Concentration Units: ug/L \_\_\_\_\_

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	200	120	J	105.5	J	12
Antimony	10.0	7.4	U	7.4	U	NC
Arsenic	5.0	3.7	U	3.7	U	NC
Barium	200	257		253.5		2
Beryllium	2.0	0.78	U	0.78	U	NC
Cadmium	5.0	0.82	U	0.82	U	NC
Calcium	5000	4250	J	4203	J	1
Chromium	10.0	114		113.2		0.4
Cobalt	50.0	5.5	J	5.38	J	3
Copper	25.0	7.8	U	8.84	J	NC
Iron	150	231		227.7		2
Lead	5.0	4.0	U	4.0	U	NC
Magnesium	5000	6900		6842		0.8
Manganese	15.0	128		126.7		1
Nickel	40.0	331		325.8		2
Potassium	5000	2750	J	2593	J	6
Selenium	10.0	5.8	U	5.8	U	NC
Silver	10.0	1.3	U	1.3	U	NC
Sodium	5000	20100		19880		1
Thallium	10.0	5.2	U	5.2	U	NC
Vanadium	50.0	4.0	U	4.0	U	NC
Zinc	30.0	10.3	J	10.65	J	3

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN  
DUPLICATES  
METALS

Client ID: \_\_\_\_\_ Lab ID: 460-43054-D-3-E DU \_\_\_\_\_  
Lab Name: TestAmerica Edison Job No.: 460-43235-1 \_\_\_\_\_  
SDG No.: \_\_\_\_\_  
% Solids for Sample: \_\_\_\_\_ % Solids for Duplicate: \_\_\_\_\_  
Matrix: Water Concentration Units: ug/L \_\_\_\_\_

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.20	0.35	0.337	5		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN  
DUPLICATES  
METALS

Client ID: \_\_\_\_\_

Lab ID: 460-43408-D-46-G DU ^4

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

% Solids for Sample: 93.3

% Solids for Duplicate: 93.3

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Aluminum	42.0	7450	7810	5		6010B
Antimony	2.1	6.4	7.74	20		6010B
Arsenic	1.1	3.2	3.69	13		6010B
Barium	42.0	115	128.9	12		6010B
Beryllium	0.42	0.27	J 0.319	16		6010B
Cadmium	1.1	1.8	1.39	25		6010B
Calcium	1050	1200	1597	28		6010B
Chromium	2.1	16.0	18.98	17		6010B
Cobalt	10.5	4.0	J 4.20	4		6010B
Copper	5.3	24.3	19.89	20		6010B
Iron	31.5	13500	13830	2		6010B
Lead	1.1	342	358.4	5		6010B
Magnesium	1050	1030	J 1145	10		6010B
Manganese	3.2	137	144.3	5		6010B
Nickel	8.4	28.3	27.37	3		6010B
Potassium	1050	327	J 355.7	9		6010B
Selenium	2.1	1.4	U 1.4	U NC		6010B
Silver	2.1	0.21	U 0.21	U NC		6010B
Sodium	1050	164	U 166	U NC		6010B
Thallium	2.1	1.2	U 1.2	U NC		6010B
Vanadium	10.5	19.8	21.84	10		6010B
Zinc	6.3	303	249.1	20		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN  
DUPLICATES  
METALS

Client ID: \_\_\_\_\_ Lab ID: 460-43103-E-11-G DU \_\_\_\_\_  
Lab Name: TestAmerica Edison Job No.: 460-43235-1 \_\_\_\_\_  
SDG No.: \_\_\_\_\_  
% Solids for Sample: 87.0 % Solids for Duplicate: 87.0 \_\_\_\_\_  
Matrix: Solid Concentration Units: mg/Kg \_\_\_\_\_

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	Method
Mercury	0.038	0.033 J	0.0312 J	6		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 460-123227/2-A

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Sample Matrix: Water

LCS Source: ME\_LCS-int\_00031

Analyte	Water (ug/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	2000	1981		99	80	120		6010B
Antimony	500	487.3		97	80	120		6010B
Arsenic	2000	1941		97	80	120		6010B
Barium	2000	2025		101	80	120		6010B
Beryllium	50.0	50.40		101	80	120		6010B
Cadmium	50.0	51.58		103	80	120		6010B
Calcium	20000	20660		103	80	120		6010B
Chromium	200	205.8		103	80	120		6010B
Cobalt	500	515.3		103	80	120		6010B
Copper	250	250.5		100	80	120		6010B
Iron	1000	1049		105	80	120		6010B
Lead	500	525.3		105	80	120		6010B
Magnesium	20000	19840		99	80	120		6010B
Manganese	500	529.3		106	80	120		6010B
Nickel	500	522.7		105	80	120		6010B
Potassium	20000	19730		99	80	120		6010B
Selenium	2000	1936		97	80	120		6010B
Silver	50.0	47.89		96	80	120		6010B
Sodium	20000	20190		101	80	120		6010B
Thallium	2000	2162		108	80	120		6010B
Vanadium	500	496.5		99	80	120		6010B
Zinc	500	510.7		102	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN  
LCS-CERTIFIED REFERENCE MATERIAL  
METALS

Lab ID: LCSSRM 460-124251/2-A ^4

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Sample Matrix: Solid

LCS Source: ME\_LCSS\_77\_00001

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Aluminum	9040	6311		69.8	43.3	156.8	
Antimony	117	188.5		161.8	20.8	252.5	
Arsenic	163	146.3		89.7	70.8	129.8	
Barium	207	186.9		90.4	73.2	126.8	
Beryllium	107	98.70		92.4	75.1	125.5	
Cadmium	100	95.15		95.1	73.0	126.2	
Calcium	6670	6511		97.6	74.4	125.8	
Chromium	116	109.5		94.8	69.7	129.4	
Cobalt	127	124.9		98.2	74.4	125.2	
Copper	115	108.9		95.0	74.6	124.6	
Iron	12600	11390		90.2	32.2	167.7	
Lead	74.7	72.19		96.7	68.7	131.3	
Magnesium	2700	2262		83.8	65.1	135.3	
Manganese	328	325.4		99.2	75.4	125.1	
Nickel	68.0	67.98		100.0	70.9	129.0	
Potassium	3040	2524		83.1	62.9	136.7	
Selenium	122	111.7		91.3	66.7	134.1	
Silver	41.1	36.33		88.5	66.2	134.0	
Sodium	340	291.7	J	85.8	42.9	156.9	
Thallium	202	200.8		99.4	69.2	130.8	
Vanadium	84.6	78.23		92.5	63.1	136.6	
Zinc	268	252.0		94.1	71.4	128.6	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN  
LAB CONTROL SAMPLE  
METALS

Lab ID: LCS 460-123474/2-A

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Sample Matrix: Water

LCS Source: ME\_DCAL-IN\_00878

Analyte	Water (ug/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	1.00	0.944		94	80	120	7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN  
LCS-CERTIFIED REFERENCE MATERIAL  
METALS

Lab ID: LCSSRM 460-124374/11-A ^40

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

Sample Matrix: Solid

LCS Source: ME\_LCSS\_77\_00001

Analyte	Solid (mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Mercury	25.1	25.67		102.3	51.4	148.2	7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN  
ICP-AES AND ICP-MS SERIAL DILUTIONS  
METALS

Lab ID: 460-43269-H-4-A SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43235-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	120	J	361	U		NC	6010B
Antimony	7.4	U	36.8	U		NC	6010B
Arsenic	3.7	U	18.6	U		NC	6010B
Barium	257		253.1	J		NC	6010B
Beryllium	0.78	U	3.9	U		NC	6010B
Cadmium	0.82	U	4.1	U		NC	6010B
Calcium	4250	J	4121	J		NC	6010B
Chromium	114		111.0			NC	6010B
Cobalt	5.5	J	21.4	U		NC	6010B
Copper	7.8	U	39.2	U		NC	6010B
Iron	231		368	U		NC	6010B
Lead	4.0	U	20.1	U		NC	6010B
Magnesium	6900		6810	J		NC	6010B
Manganese	128		126.8			NC	6010B
Nickel	331		330.2		0.18		6010B
Potassium	2750	J	2708	J		NC	6010B
Selenium	5.8	U	28.8	U		NC	6010B
Silver	1.3	U	6.7	U		NC	6010B
Sodium	20100		20160	J		NC	6010B
Thallium	5.2	U	26.2	U		NC	6010B
Vanadium	4.0	U	20.2	U		NC	6010B
Zinc	10.3	J	29.2	U		NC	6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN  
ICP-AES AND ICP-MS SERIAL DILUTIONS  
METALS

Lab ID: 460-43408-D-46-F SD ^20

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43235-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	7450		7466		0.24		6010B
Antimony	6.4		6.5	U	NC		6010B
Arsenic	3.2		4.9	U	NC		6010B
Barium	115		114.2	J	0.42		6010B
Beryllium	0.27	J	0.75	U	NC		6010B
Cadmium	1.8		1.77	J	NC		6010B
Calcium	1200		1186	J	NC		6010B
Chromium	16.0		16.43		NC		6010B
Cobalt	4.0	J	4.4	U	NC		6010B
Copper	24.3		20.39	J	NC		6010B
Iron	13500		13640		0.68		6010B
Lead	342		344.6		0.64		6010B
Magnesium	1030	J	1060	J	NC		6010B
Manganese	137		138.5		0.83		6010B
Nickel	28.3		27.81	J	NC		6010B
Potassium	327	J	557	U	NC		6010B
Selenium	1.4	U	6.9	U	NC		6010B
Silver	0.21	U	1.0	U	NC		6010B
Sodium	164	U	822	U	NC		6010B
Thallium	1.2	U	5.9	U	NC		6010B
Vanadium	19.8		19.75	J	NC		6010B
Zinc	303		304.1		0.24		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN  
ICP-AES AND ICP-MS SERIAL DILUTIONS  
METALS

Lab ID: 460-43054-D-3-D SD ^5

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43235-1

Matrix: Water

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Mercury	0.35	0.80 U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN  
ICP-AES AND ICP-MS SERIAL DILUTIONS  
METALS

Lab ID: 460-43103-E-11-F SD

SDG No:

Lab Name: TestAmerica Edison

Job No: 460-43235-1

Matrix: Solid

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.033	J	0.13	U	NC		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN  
DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Water

Instrument ID: ICP4

Method: 6010B

MDL Date: 11/14/2011 12:49

Prep Method: 3010A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Water

Instrument ID: ICP4

Method: 6010B

XMDL Date: 11/14/2011 12:49

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN  
DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: ICP4

Method: 6010B

MDL Date: 02/08/2012 17:17

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum		40	18.2
Antimony		2	1.24
Arsenic		1	0.94
Barium		40	1.14
Beryllium		0.4	0.144
Cadmium		1	0.148
Calcium		1000	70.8
Chromium		2	0.86
Cobalt		10	0.852
Copper		5	1.94
Iron		30	12.1
Lead		1	0.86
Magnesium		1000	72
Manganese		3	0.88
Nickel		8	0.88
Potassium		1000	107
Selenium		2	1.32
Silver		2	0.2
Sodium		1000	158
Thallium		2	1.13
Vanadium		10	0.768
Zinc		6	1.08

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: ICP4

Method: 6010B

XMDL Date: 11/14/2011 14:14

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		200	72.11
Antimony		10	7.351
Arsenic		5	3.729
Barium		200	5.944
Beryllium		2	0.776
Cadmium		5	0.818
Calcium		5000	304.6
Chromium		10	4.46
Cobalt		50	4.272
Copper		25	7.838
Iron		150	73.6
Lead		5	4.012
Magnesium		5000	321.4
Manganese		15	4.303
Nickel		40	4.981
Potassium		5000	524.8
Selenium		10	5.758
Silver		10	1.339
Sodium		5000	820.7
Thallium		10	5.247
Vanadium		50	4.044
Zinc		30	5.849

9-IN  
DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Water

Instrument ID: LEEMAN3

Method: 7470A

MDL Date: 11/14/2011 12:40

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.16

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Water

Instrument ID: LEEMAN3

Method: 7470A

XMDL Date: 11/14/2011 12:40

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

9-IN  
DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: LEEMAN5

Method: 7471A

MDL Date: 03/23/2011 11:28

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.033	0.022

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: LEEMAN5

Method: 7471A

XMDL Date: 11/14/2011 14:17

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.16

11-IN  
LINEAR RANGES  
METALS

Lab Name: TestAmerica Edison

Job No: 460-43235-1

SDG No.:  

Instrument ID: ICP4 Date: 01/05/2012 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Aluminum		1000000	6010B
Antimony		8000	6010B
Arsenic		20000	6010B
Barium		80000	6010B
Beryllium		8000	6010B
Cadmium		10000	6010B
Calcium		1000000	6010B
Chromium		40000	6010B
Cobalt		20000	6010B
Copper		100000	6010B
Iron		800000	6010B
Lead		60000	6010B
Magnesium		1000000	6010B
Manganese		40000	6010B
Nickel		20000	6010B
Potassium		400000	6010B
Selenium		20000	6010B
Silver		10000	6010B
Sodium		1000000	6010B
Thallium		20000	6010B
Vanadium		20000	6010B
Zinc		20000	6010B

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-123227/1-A	08/09/2012 08:12	123227		100	100
LCS 460-123227/2-A	08/09/2012 08:12	123227		100	100
460-43269-H-4-B DU	08/09/2012 08:12	123227		100	100
460-43269-H-4-C MS	08/09/2012 08:12	123227		100	100
460-43235-5	08/09/2012 08:12	123227		100	100

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-124251/1-A ^2	08/16/2012 07:35	124251	1.00		50
LCSSRM 460-124251/2-A ^4	08/16/2012 07:35	124251	1.03		50
460-43408-D-46-G DU ^4	08/16/2012 07:35	124251	1.02		50
460-43408-D-46-I MS ^4	08/16/2012 07:35	124251	1.04		50
460-43235-1	08/16/2012 07:35	124251	1.01		50
460-43235-2	08/16/2012 07:35	124251	1.01		50
460-43235-3	08/16/2012 07:35	124251	1.10		50
460-43235-4	08/16/2012 07:35	124251	1.13		50

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-123474/1-A	08/10/2012 11:15	123474		30	30
LCS 460-123474/2-A	08/10/2012 11:15	123474		30	30
460-43054-D-3-E DU	08/10/2012 11:15	123474		30	30
460-43054-D-3-F MS	08/10/2012 11:15	123474		30	30
460-43235-5	08/10/2012 11:15	123474		30	30

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-124374/10-A	08/16/2012 16:28	124374	0.60		100
LCSSRM 460-124374/11-A ^40	08/16/2012 16:28	124374	0.60		100
460-43103-E-11-G DU	08/16/2012 16:28	124374	0.60		100
460-43103-E-11-H MS	08/16/2012 16:28	124374	0.60		100
460-43235-1	08/16/2012 16:28	124374	0.60		100
460-43235-2	08/16/2012 16:28	124374	0.67		100
460-43235-3	08/16/2012 16:28	124374	0.64		100
460-43235-4	08/16/2012 16:28	124374	0.62		100

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/09/2012 10:51 End Date: 08/09/2012 16:43

Lab Sample ID	D / F	T Y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			10:51																			
ZZZZZZ			10:55																			
ZZZZZZ			10:59																			
ZZZZZZ			11:02																			
ZZZZZZ			11:06																			
ZZZZZZ			11:09																			
ICV 460-123318/7	1		11:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-123318/8	1		11:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-123318/9	1		11:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-123318/10	1		11:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			11:27																			
ZZZZZZ			11:31																			
ZZZZZZ			11:35																			
ZZZZZZ			11:38																			
ZZZZZZ			11:42																			
ZZZZZZ			11:46																			
ZZZZZZ			11:49																			
ZZZZZZ			11:53																			
CCV 460-123318/19			11:56																			
CCB 460-123318/20			12:00																			
ZZZZZZ			12:04																			
ZZZZZZ			12:07																			
ZZZZZZ			12:11																			
ZZZZZZ			12:14																			
ZZZZZZ			12:18																			
ZZZZZZ			12:22																			
ZZZZZZ			12:25																			
ZZZZZZ			12:29																			
ZZZZZZ			12:32																			
ZZZZZZ			12:36																			
CCV 460-123318/31			12:40																			
CCB 460-123318/32			12:43																			
ZZZZZZ			12:47																			
ZZZZZZ			12:51																			
ZZZZZZ			12:54																			
ZZZZZZ			12:58																			
ZZZZZZ			13:01																			
ZZZZZZ			13:05																			
ZZZZZZ			13:09																			
ZZZZZZ			13:12																			
ZZZZZZ			13:16																			
ZZZZZZ			13:19																			

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/09/2012 10:51 End Date: 08/09/2012 16:43

Lab Sample ID	D / F	T Y p e	Time	Analytes																			
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l
CCV 460-123318/43	1		13:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123318/44	1		13:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 460-123227/1-A	1	T	13:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 460-123227/2-A	1	T	13:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43269-H-4-B DU	1	T	13:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:41																				
460-43269-H-4-A SD ^5	5	T	13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43269-H-4-C MS	1	T	13:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
460-43269-H-4-A PDS	1	T	13:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			13:55																				
ZZZZZZ			13:59																				
ZZZZZZ			14:03																				
CCV 460-123318/55	1		14:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123318/56	1		14:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:14																				
ZZZZZZ			14:17																				
ZZZZZZ			14:21																				
ZZZZZZ			14:25																				
ZZZZZZ			14:28																				
ZZZZZZ			14:32																				
ZZZZZZ			14:36																				
ZZZZZZ			14:39																				
ZZZZZZ			14:43																				
ZZZZZZ			14:47																				
CCV 460-123318/67	1		14:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123318/68	1		14:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:58																				
ZZZZZZ			15:01																				
ZZZZZZ			15:05																				
ZZZZZZ			15:09																				
ZZZZZZ			15:12																				
460-43235-5	1	T	15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:20																				
ZZZZZZ			15:24																				
ZZZZZZ			15:27																				
ZZZZZZ			15:31																				
CCV 460-123318/79	1		15:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 460-123318/80	1		15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			15:42																				
ZZZZZZ			15:45																				
ZZZZZZ			15:49																				
ZZZZZZ			15:53																				

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/09/2012 10:51 End Date: 08/09/2012 16:43

Lab Sample ID	D / F	T Y p e	Time	Analytes															
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i
ZZZZZZ			15:56																
ZZZZZZ			16:00																
ZZZZZZ			16:04																
ZZZZZZ			16:07																
ZZZZZZ			16:11																
ZZZZZZ			16:14																
CCV 460-123318/91			16:18																
CCB 460-123318/92			16:21																
ZZZZZZ			16:25																
ZZZZZZ			16:29																
ZZZZZZ			16:33																
ZZZZZZ			16:36																
CCV 460-123318/97			16:40																
CCB 460-123318/98			16:43																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/09/2012 10:51 End Date: 08/09/2012 16:43

Lab Sample ID	D / F	T Y p e	Time	Analytes												
				V	Z n											
ZZZZZ			10:51													
ZZZZZ			10:55													
ZZZZZ			10:59													
ZZZZZ			11:02													
ZZZZZ			11:06													
ZZZZZ			11:09													
ICV 460-123318/7	1		11:13	X	X											
ICB 460-123318/8	1		11:16	X	X											
ICSA 460-123318/9	1		11:20	X	X											
ICSAB 460-123318/10	1		11:24	X	X											
ZZZZZ			11:27													
ZZZZZ			11:31													
ZZZZZ			11:35													
ZZZZZ			11:38													
ZZZZZ			11:42													
ZZZZZ			11:46													
ZZZZZ			11:49													
ZZZZZ			11:53													
CCV 460-123318/19			11:56													
CCB 460-123318/20			12:00													
ZZZZZ			12:04													
ZZZZZ			12:07													
ZZZZZ			12:11													
ZZZZZ			12:14													
ZZZZZ			12:18													
ZZZZZ			12:22													
ZZZZZ			12:25													
ZZZZZ			12:29													
ZZZZZ			12:32													
ZZZZZ			12:36													
CCV 460-123318/31			12:40													
CCB 460-123318/32			12:43													
ZZZZZ			12:47													
ZZZZZ			12:51													
ZZZZZ			12:54													
ZZZZZ			12:58													
ZZZZZ			13:01													
ZZZZZ			13:05													
ZZZZZ			13:09													
ZZZZZ			13:12													
ZZZZZ			13:16													
ZZZZZ			13:19													

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/09/2012 10:51 End Date: 08/09/2012 16:43

Lab Sample ID	D / F	T Y p e	Time	Analytes															
				V	Z n														
CCV 460-123318/43	1		13:23	X	X														
CCB 460-123318/44	1		13:26	X	X														
MB 460-123227/1-A	1	T	13:30	X	X														
LCS 460-123227/2-A	1	T	13:34	X	X														
460-43269-H-4-B DU	1	T	13:37	X	X														
ZZZZZZ			13:41																
460-43269-H-4-A SD ^5	5	T	13:45	X	X														
460-43269-H-4-C MS	1	T	13:48	X	X														
460-43269-H-4-A PDS	1	T	13:52	X	X														
ZZZZZZ			13:55																
ZZZZZZ			13:59																
ZZZZZZ			14:03																
CCV 460-123318/55	1		14:07	X	X														
CCB 460-123318/56	1		14:10	X	X														
ZZZZZZ			14:14																
ZZZZZZ			14:17																
ZZZZZZ			14:21																
ZZZZZZ			14:25																
ZZZZZZ			14:28																
ZZZZZZ			14:32																
ZZZZZZ			14:36																
ZZZZZZ			14:39																
ZZZZZZ			14:43																
ZZZZZZ			14:47																
CCV 460-123318/67	1		14:51	X	X														
CCB 460-123318/68	1		14:54	X	X														
ZZZZZZ			14:58																
ZZZZZZ			15:01																
ZZZZZZ			15:05																
ZZZZZZ			15:09																
ZZZZZZ			15:12																
460-43235-5	1	T	15:16	X	X														
ZZZZZZ			15:20																
ZZZZZZ			15:24																
ZZZZZZ			15:27																
ZZZZZZ			15:31																
CCV 460-123318/79	1		15:35	X	X														
CCB 460-123318/80	1		15:38	X	X														
ZZZZZZ			15:42																
ZZZZZZ			15:45																
ZZZZZZ			15:49																
ZZZZZZ			15:53																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/09/2012 10:51 End Date: 08/09/2012 16:43

Lab Sample ID	D / F	T Y p e	Time	Analytes												
				V	Z n											
ZZZZZZ			15:56													
ZZZZZZ			16:00													
ZZZZZZ			16:04													
ZZZZZZ			16:07													
ZZZZZZ			16:11													
ZZZZZZ			16:14													
CCV 460-123318/91			16:18													
CCB 460-123318/92			16:21													
ZZZZZZ			16:25													
ZZZZZZ			16:29													
ZZZZZZ			16:33													
ZZZZZZ			16:36													
CCV 460-123318/97			16:40													
CCB 460-123318/98			16:43													

Prep Types

D = Dissolved

R = Total Recoverable

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			18:47																			
ZZZZZZ			18:50																			
ZZZZZZ			18:54																			
ZZZZZZ			18:58																			
ZZZZZZ			19:01																			
ZZZZZZ			19:05																			
ICV 460-124428/7	1		19:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICB 460-124428/8	1		19:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSA 460-124428/9	1		19:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ICSAB 460-124428/10	1		19:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			19:23																			
ZZZZZZ			19:27																			
ZZZZZZ			19:30																			
ZZZZZZ			19:34																			
ZZZZZZ			19:38																			
ZZZZZZ			19:41																			
ZZZZZZ			19:44																			
ZZZZZZ			19:48																			
CCV 460-124428/19			19:52																			
CCB 460-124428/20			19:55																			
ZZZZZZ			19:59																			
ZZZZZZ			20:03																			
ZZZZZZ			20:06																			
ZZZZZZ			20:10																			
ZZZZZZ			20:14																			
ZZZZZZ			20:17																			
ZZZZZZ			20:21																			
ZZZZZZ			20:25																			
ZZZZZZ			20:28																			
ZZZZZZ			20:32																			
CCV 460-124428/31			20:35																			
CCB 460-124428/32			20:39																			
ZZZZZZ			20:43																			
ZZZZZZ			20:46																			
ZZZZZZ			20:50																			
ZZZZZZ			20:53																			
ZZZZZZ			20:57																			
ZZZZZZ			21:01																			
ZZZZZZ			21:04																			
ZZZZZZ			21:08																			
ZZZZZZ			21:11																			
ZZZZZZ			21:15																			

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
CCV 460-124428/43			21:18																			
CCB 460-124428/44			21:22																			
ZZZZZZ			21:26																			
ZZZZZZ			21:29																			
ZZZZZZ			21:33																			
ZZZZZZ			21:36																			
ZZZZZZ			21:40																			
ZZZZZZ			21:43																			
ZZZZZZ			21:47																			
ZZZZZZ			21:51																			
ZZZZZZ			21:54																			
ZZZZZZ			21:58																			
CCV 460-124428/55	1		22:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-124428/56	1		22:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			22:08																			
ZZZZZZ			22:12																			
ZZZZZZ			22:16																			
460-43408-D-46-G DU ^4	4	T	22:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			22:23																			
460-43408-D-46-F SD ^20	20	T	22:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-43408-D-46-I MS ^4	4	T	22:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-43408-D-46-F PDS ^4	4	T	22:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			22:37																			
LCSSRM 460-124251/2-A ^4	4	T	22:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCV 460-124428/67	1		22:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-124428/68	1		22:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
MB 460-124251/1-A ^2	2	T	22:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			22:55																			
ZZZZZZ			22:59																			
ZZZZZZ			23:02																			
ZZZZZZ			23:06																			
ZZZZZZ			23:09																			
ZZZZZZ			23:13																			
ZZZZZZ			23:17																			
ZZZZZZ			23:20																			
ZZZZZZ			23:24																			
CCV 460-124428/79	1		23:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-124428/80	1		23:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			23:35																			
ZZZZZZ			23:38																			

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes																		
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e
ZZZZZZ			23:42																			
ZZZZZZ			23:45																			
ZZZZZZ			23:49																			
460-43235-1	4	T	23:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-43235-2	4	T	23:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-43235-3	4	T	00:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
460-43235-4	4	T	00:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			00:07																			
CCV 460-124428/91	1		00:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CCB 460-124428/92	1		00:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ZZZZZZ			00:18																			
ZZZZZZ			00:21																			
ZZZZZZ			00:25																			
ZZZZZZ			00:29																			
ZZZZZZ			00:33																			
ZZZZZZ			00:36																			
ZZZZZZ			00:39																			
ZZZZZZ			00:43																			
ZZZZZZ			00:47																			
ZZZZZZ			00:50																			
CCV 460-124428/103			00:54																			
CCB 460-124428/104			00:57																			
ZZZZZZ			01:01																			
ZZZZZZ			01:05																			
ZZZZZZ			01:09																			
ZZZZZZ			01:12																			
ZZZZZZ			01:16																			
ZZZZZZ			01:20																			
ZZZZZZ			01:23																			
ZZZZZZ			01:27																			
ZZZZZZ			01:31																			
ZZZZZZ			01:34																			
CCV 460-124428/115			01:38																			
CCB 460-124428/116			01:41																			
ZZZZZZ			01:45																			
ZZZZZZ			01:49																			
ZZZZZZ			01:53																			
ZZZZZZ			01:57																			
ZZZZZZ			02:00																			
ZZZZZZ			02:04																			
ZZZZZZ			02:08																			
ZZZZZZ			02:11																			

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes															
				A g	A l	A s	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i
ZZZZZZ			02:15																
ZZZZZZ			02:19																
CCV 460-124428/127			02:22																
CCB 460-124428/128			02:26																
ZZZZZZ			02:30																
ZZZZZZ			02:34																
ZZZZZZ			02:37																
ZZZZZZ			02:41																
ZZZZZZ			02:45																
ZZZZZZ			02:49																
ZZZZZZ			02:52																
CCV 460-124428/136			02:56																
CCB 460-124428/137			03:00																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes															
				V	Z n														
ZZZZZ			18:47																
ZZZZZ			18:50																
ZZZZZ			18:54																
ZZZZZ			18:58																
ZZZZZ			19:01																
ZZZZZ			19:05																
ICV 460-124428/7	1		19:08	X	X														
ICB 460-124428/8	1		19:12	X	X														
ICSA 460-124428/9	1		19:15	X	X														
ICSAB 460-124428/10	1		19:19	X	X														
ZZZZZ			19:23																
ZZZZZ			19:27																
ZZZZZ			19:30																
ZZZZZ			19:34																
ZZZZZ			19:38																
ZZZZZ			19:41																
ZZZZZ			19:44																
ZZZZZ			19:48																
CCV 460-124428/19			19:52																
CCB 460-124428/20			19:55																
ZZZZZ			19:59																
ZZZZZ			20:03																
ZZZZZ			20:06																
ZZZZZ			20:10																
ZZZZZ			20:14																
ZZZZZ			20:17																
ZZZZZ			20:21																
ZZZZZ			20:25																
ZZZZZ			20:28																
ZZZZZ			20:32																
CCV 460-124428/31			20:35																
CCB 460-124428/32			20:39																
ZZZZZ			20:43																
ZZZZZ			20:46																
ZZZZZ			20:50																
ZZZZZ			20:53																
ZZZZZ			20:57																
ZZZZZ			21:01																
ZZZZZ			21:04																
ZZZZZ			21:08																
ZZZZZ			21:11																
ZZZZZ			21:15																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes												
				V	Z n											
CCV 460-124428/43			21:18													
CCB 460-124428/44			21:22													
ZZZZZZ			21:26													
ZZZZZZ			21:29													
ZZZZZZ			21:33													
ZZZZZZ			21:36													
ZZZZZZ			21:40													
ZZZZZZ			21:43													
ZZZZZZ			21:47													
ZZZZZZ			21:51													
ZZZZZZ			21:54													
ZZZZZZ			21:58													
CCV 460-124428/55	1		22:01	X	X											
CCB 460-124428/56	1		22:05	X	X											
ZZZZZZ			22:08													
ZZZZZZ			22:12													
ZZZZZZ			22:16													
460-43408-D-46-G DU ^4	4	T	22:19	X	X											
ZZZZZZ			22:23													
460-43408-D-46-F SD ^20	20	T	22:26	X	X											
460-43408-D-46-I MS ^4	4	T	22:30	X	X											
460-43408-D-46-F PDS ^4	4	T	22:34	X	X											
ZZZZZZ			22:37													
LCSSRM 460-124251/2-A ^4	4	T	22:41	X	X											
CCV 460-124428/67	1		22:44	X	X											
CCB 460-124428/68	1		22:47	X	X											
MB 460-124251/1-A ^2	2	T	22:51	X	X											
ZZZZZZ			22:55													
ZZZZZZ			22:59													
ZZZZZZ			23:02													
ZZZZZZ			23:06													
ZZZZZZ			23:09													
ZZZZZZ			23:13													
ZZZZZZ			23:17													
ZZZZZZ			23:20													
ZZZZZZ			23:24													
CCV 460-124428/79	1		23:27	X	X											
CCB 460-124428/80	1		23:31	X	X											
ZZZZZZ			23:35													
ZZZZZZ			23:38													

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

Lab Sample ID	D / F	T Y p e	Time	Analytes															
				V	Zn														
ZZZZZZ			23:42																
ZZZZZZ			23:45																
ZZZZZZ			23:49																
460-43235-1	4	T	23:52	X	X														
460-43235-2	4	T	23:56	X	X														
460-43235-3	4	T	00:00	X	X														
460-43235-4	4	T	00:03	X	X														
ZZZZZZ			00:07																
CCV 460-124428/91	1		00:10	X	X														
CCB 460-124428/92	1		00:14	X	X														
ZZZZZZ			00:18																
ZZZZZZ			00:21																
ZZZZZZ			00:25																
ZZZZZZ			00:29																
ZZZZZZ			00:33																
ZZZZZZ			00:36																
ZZZZZZ			00:39																
ZZZZZZ			00:43																
ZZZZZZ			00:47																
ZZZZZZ			00:50																
CCV 460-124428/103			00:54																
CCB 460-124428/104			00:57																
ZZZZZZ			01:01																
ZZZZZZ			01:05																
ZZZZZZ			01:09																
ZZZZZZ			01:12																
ZZZZZZ			01:16																
ZZZZZZ			01:20																
ZZZZZZ			01:23																
ZZZZZZ			01:27																
ZZZZZZ			01:31																
ZZZZZZ			01:34																
CCV 460-124428/115			01:38																
CCB 460-124428/116			01:41																
ZZZZZZ			01:45																
ZZZZZZ			01:49																
ZZZZZZ			01:53																
ZZZZZZ			01:57																
ZZZZZZ			02:00																
ZZZZZZ			02:04																
ZZZZZZ			02:08																
ZZZZZZ			02:11																

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.:

Instrument ID: ICP4 Method: 6010B

Start Date: 08/16/2012 18:47 End Date: 08/17/2012 03:00

### Prep Types

$$T = \text{Total/NA}$$

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: LEEMAN3 Method: 7470A

Start Date: 08/10/2012 13:55 End Date: 08/10/2012 15:27

Lab Sample ID	D / F	T Y p e	Time	Analytes												
				H g												
IC 460-123474/25-A			13:55	X												
IC 460-123474/26-A			13:57	X												
IC 460-123474/27-A			13:59	X												
IC 460-123474/28-A			14:00	X												
IC 460-123474/29-A			14:02	X												
IC 460-123474/30-A			14:04	X												
ICV 460-123474/31-A	1		14:06	X												
ICB 460-123522/8	1		14:08	X												
ZZZZZZ			14:09													
ZZZZZZ			14:11													
MB 460-123474/1-A	1	T	14:13	X												
LCS 460-123474/2-A	1	T	14:15	X												
ZZZZZZ			14:17													
460-43054-D-3-E DU	1	T	14:19	X												
460-43054-D-3-F MS	1	T	14:21	X												
ZZZZZZ			14:22													
ZZZZZZ			14:24													
ZZZZZZ			14:26													
CCV 460-123474/33-A	1		14:28	X												
CCB 460-123522/20	1		14:30	X												
ZZZZZZ			14:32													
ZZZZZZ			14:34													
ZZZZZZ			14:35													
ZZZZZZ			14:37													
460-43235-5	1	T	14:39	X												
ZZZZZZ			14:41													
ZZZZZZ			14:43													
ZZZZZZ			14:45													
ZZZZZZ			14:47													
CCV 460-123474/33-A	1		14:49	X												
CCB 460-123522/31	1		14:51	X												
ZZZZZZ			14:53													
ZZZZZZ			14:55													
ZZZZZZ			14:57													
ZZZZZZ			14:59													
ZZZZZZ			15:01													
ZZZZZZ			15:02													
ZZZZZZ			15:04													
460-43054-D-3-D SD ^5	5	T	15:06	X												
CCV 460-123474/33-A	1		15:08	X												
CCB 460-123522/41	1		15:10	X												
ZZZZZZ			15:17													

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.:

Instrument ID: LEEMAN3 Method: 7470A

Start Date: 08/10/2012 13:55 End Date: 08/10/2012 15:27

## Prep Types

T = Total/NA

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 08/16/2012 18:59 End Date: 08/16/2012 22:07

Lab Sample ID	D / F	T Y p e	Time	Analytes												
				Hg												
IC 460-124374/1-A			18:59	X												
IC 460-124374/2-A			19:01	X												
IC 460-124374/3-A			19:03	X												
IC 460-124374/4-A			19:05	X												
IC 460-124374/5-A			19:06	X												
IC 460-124374/6-A			19:08	X												
ICV 460-124374/7-A	1		19:11	X												
ICB 460-124399/8	1		19:13	X												
MB 460-124374/10-A	1	T	19:15	X												
LCSSRM 460-124374/11-A ^40	40	T	19:16	X												
ZZZZZZ			19:18													
460-43103-E-11-G DU	1	T	19:21	X												
460-43103-E-11-H MS	1	T	19:22	X												
ZZZZZZ			19:24													
ZZZZZZ			19:26													
ZZZZZZ			19:29													
ZZZZZZ			19:31													
ZZZZZZ			19:33													
CCV 460-124374/8-A	1		19:35	X												
CCB 460-124399/20	1		19:37	X												
ZZZZZZ			19:40													
ZZZZZZ			19:42													
ZZZZZZ			19:44													
ZZZZZZ			19:46													
460-43235-1	1	T	19:48	X												
460-43235-2	1	T	19:50	X												
460-43235-3	1	T	19:52	X												
460-43235-4	1	T	19:54	X												
ZZZZZZ			19:56													
ZZZZZZ			19:58													
CCV 460-124374/8-A	1		20:00	X												
CCB 460-124399/32	1		20:02	X												
ZZZZZZ			20:04													
ZZZZZZ			20:06													
ZZZZZZ			20:09													
ZZZZZZ			20:11													
ZZZZZZ			20:12													
ZZZZZZ			20:14													
460-43103-E-11-F SD	5	T	20:16	X												
CCV 460-124374/8-A	1		20:18	X												
CCB 460-124399/41	1		20:20	X												

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: LEEMAN5 Method: 7471A

Start Date: 08/16/2012 18:59 End Date: 08/16/2012 22:07

Lab Sample ID	D / F	T Y p e	Time	Analytes												
				H g												
ZZZZZZ			20:23													
ZZZZZZ			20:24													
ZZZZZZ			20:27													
ZZZZZZ			20:29													
ZZZZZZ			20:31													
ZZZZZZ			20:32													
ZZZZZZ			20:34													
ZZZZZZ			20:36													
ZZZZZZ			20:38													
ZZZZZZ			20:40													
CCV 460-124374/8-A			20:42													
CCB 460-124399/53			20:44													
ZZZZZZ			20:46													
ZZZZZZ			20:48													
ZZZZZZ			20:50													
ZZZZZZ			20:52													
ZZZZZZ			20:54													
ZZZZZZ			20:56													
ZZZZZZ			20:58													
ZZZZZZ			21:00													
ZZZZZZ			21:04													
ZZZZZZ			21:06													
CCV 460-124374/8-A			21:08													
CCB 460-124399/65			21:11													
ZZZZZZ			21:12													
ZZZZZZ			21:14													
ZZZZZZ			21:16													
ZZZZZZ			21:19													
ZZZZZZ			21:21													
CCV 460-124374/8-A			21:23													
CCB 460-124399/72			21:25													
ZZZZZZ			21:27													
ZZZZZZ			21:29													
ZZZZZZ			21:32													
ZZZZZZ			21:34													
ZZZZZZ			21:36													
ZZZZZZ			21:38													
ZZZZZZ			21:40													
ZZZZZZ			21:43													
ZZZZZZ			21:44													
ZZZZZZ			21:46													
CCV 460-124374/8-A			21:48													

13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Edison Job No.: 460-43235-1

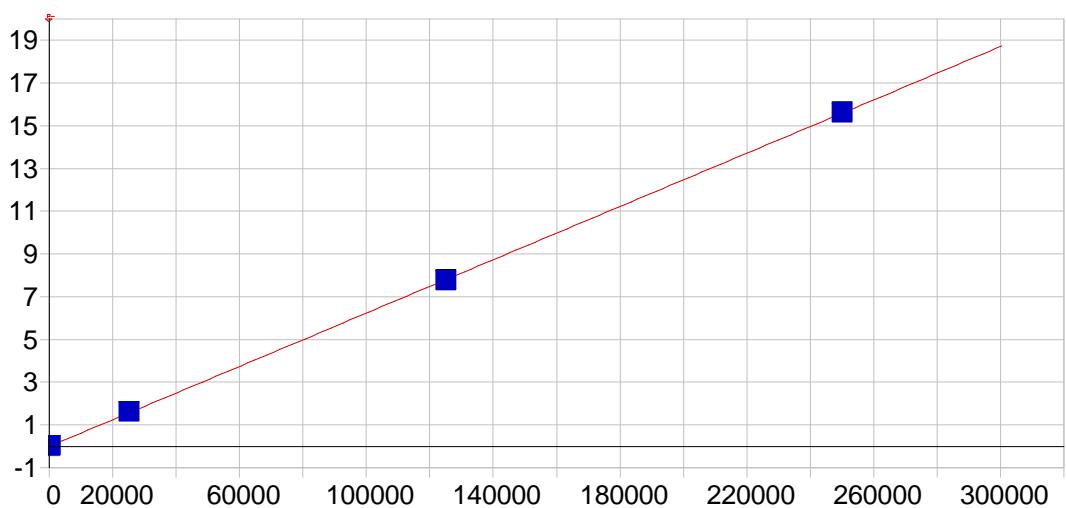
SDG No.:

Instrument ID: LEEMAN5 Method: 7471A

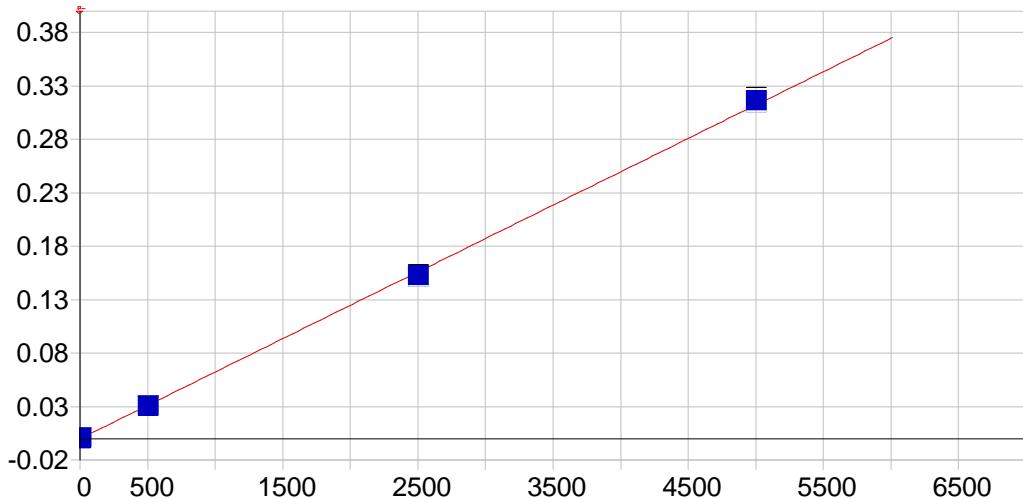
Start Date: 08/16/2012 18:59 End Date: 08/16/2012 22:07

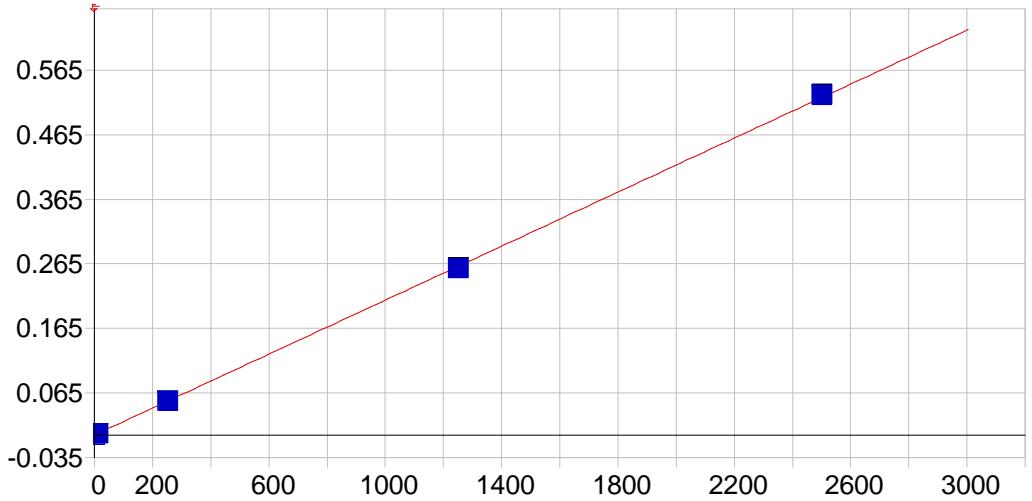
## Prep Types

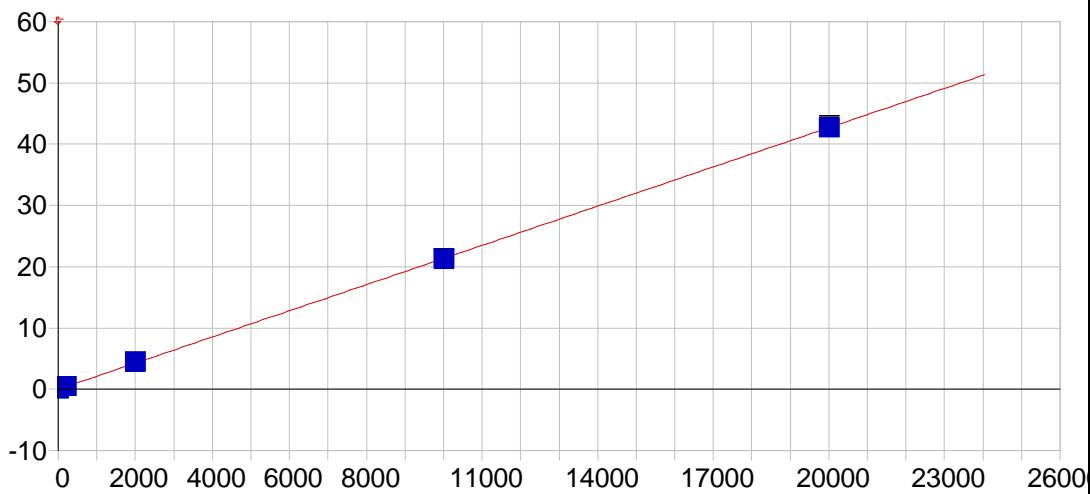
T = Total/NA



Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.02196	.022	.000	-.00005	.001	1
DCAL2	200.00	174.52	-25.5	-12.7	.01082	.001	1
DCAL3	25000.	25569.	569.	2.27	1.5956	.004	1
DCAL4	125000.	124260.	-743.	-.594	7.7546	.019	1
DCAL5	250000.	250200.	200.	.080	15.614	.029	1



Predicted MDL:	2.871090						
Predicted MQL:	9.570298						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00264	-.003	.000	-.00015	.000	1
DCAL2	5.0000	7.8007	2.80	56.0	.00033	.000	1
DCAL3	500.00	488.43	-11.6	-2.31	.03007	.000	1
DCAL4	2500.0	2441.8	-58.2	-2.33	.15093	.001	1
DCAL5	5000.0	5067.0	67.0	1.34	.31347	.002	1
							
<b>Ag 328.068 {103}</b>							
Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000128	Re-Slope:	1.000000				
A1 (Gain):	0.000209	Y-int:	0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999961	Status:	OK.				
Std Error of Est:	0.000015						
Predicted MDL:	1.141998						
Predicted MQL:	3.806659						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00056	.001	.000	-.00013	.000	1
DCAL2	10.000	9.5271	-.473	-4.73	.00186	.000	1
DCAL3	250.00	249.14	-.861	-.344	.05188	.000	1
DCAL4	1250.0	1234.9	-15.1	-1.21	.25764	.000	1
DCAL5	2500.0	2516.4	16.4	.657	.52516	.002	1

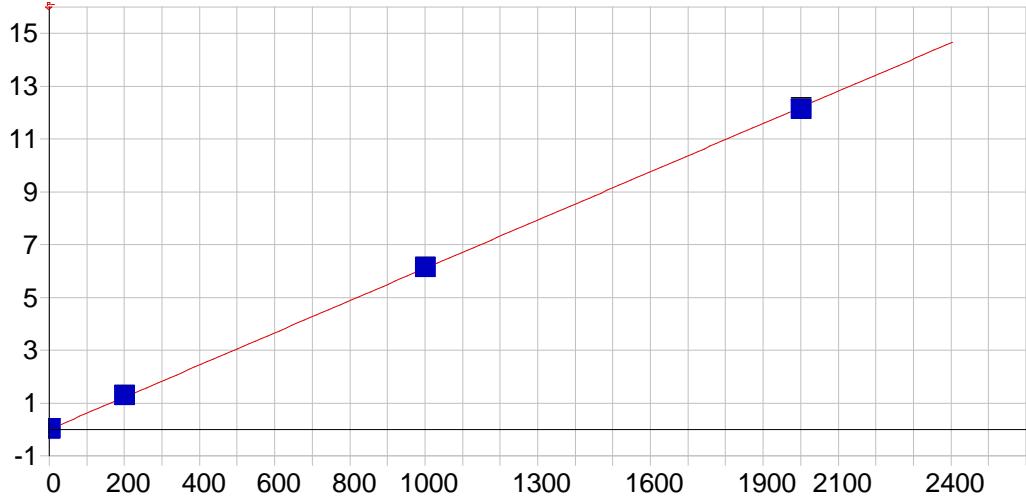


### Ba 233.527 {445}

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000259      Re-Slope: 1.000000  
 A1 (Gain): 0.002135      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999951      Status: OK.  
 Std Error of Est: 0.002182  
 Predicted MDL: 0.164832  
 Predicted MQL: 0.549439

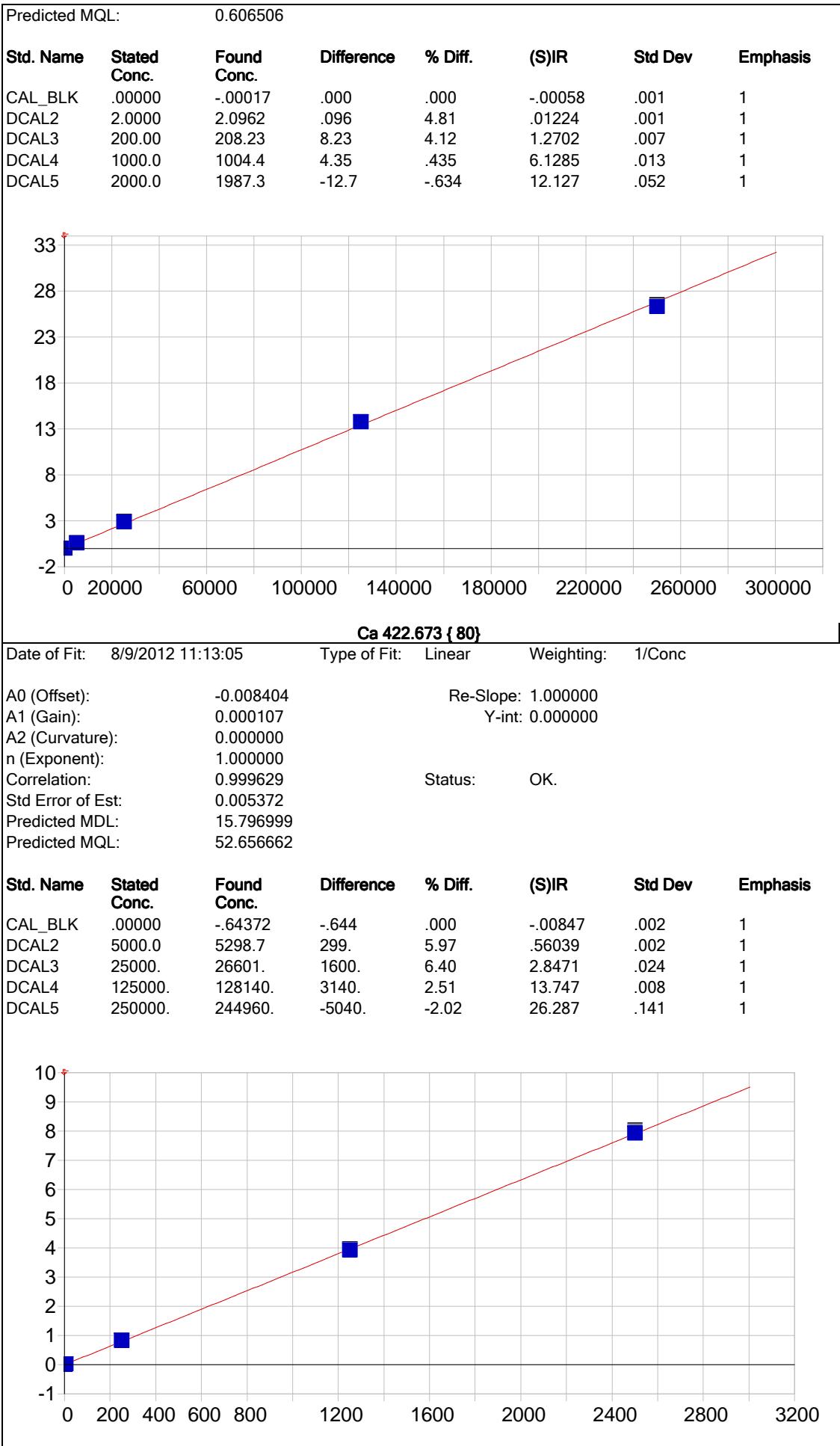
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01514	-.015	.000	.00023	.000	1
DCAL2	200.00	210.20	10.2	5.10	.44885	.002	1
DCAL3	2000.0	2064.2	64.2	3.21	4.4019	.005	1
DCAL4	10000.	9925.7	-74.3	-.743	21.164	.033	1
DCAL5	20000.	20000.	-.090	.000	42.645	.293	1



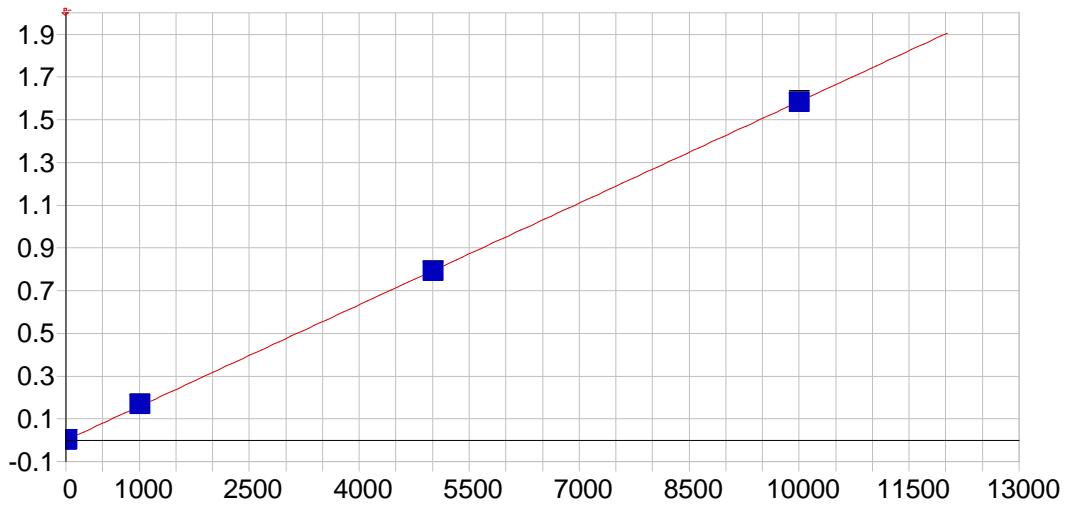
### Be 313.042 {108}

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000576      Re-Slope: 1.000000  
 A1 (Gain): 0.006100      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999931      Status: OK.  
 Std Error of Est: 0.000234  
 Predicted MDL: 0.181952



Cd 226.502 {449}							
Date of Fit:		8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):	-0.000556			Re-Slope: 1.000000			
A1 (Gain):	0.003164			Y-int: 0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999944			Status:	OK.		
Std Error of Est:	0.000174						
Predicted MDL:	0.131648						
Predicted MQL:	0.438827						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00036	.000	.000	-.00056	.000	1
DCAL2	4.0000	4.2456	.246	6.14	.01291	.000	1
DCAL3	250.00	259.16	9.16	3.66	.82387	.001	1
DCAL4	1250.0	1238.7	-11.3	-.903	3.9409	.007	1
DCAL5	2500.0	2501.9	1.89	.075	7.9598	.054	1
Co 228.616 {447}							
Date of Fit:		8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):	-0.000483			Re-Slope: 1.000000			
A1 (Gain):	0.000724			Y-int: 0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999924			Status:	OK.		
Std Error of Est:	0.000233						
Predicted MDL:	0.435312						
Predicted MQL:	1.451041						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00508	-.005	.000	-.00049	.000	1
DCAL2	50.000	53.363	3.36	6.73	.03816	.000	1
DCAL3	500.00	521.22	21.2	4.24	.38008	.000	1
DCAL4	2500.0	2483.6	-16.4	-.658	1.8136	.004	1
DCAL5	5000.0	4991.9	-8.10	-.162	3.6456	.022	1

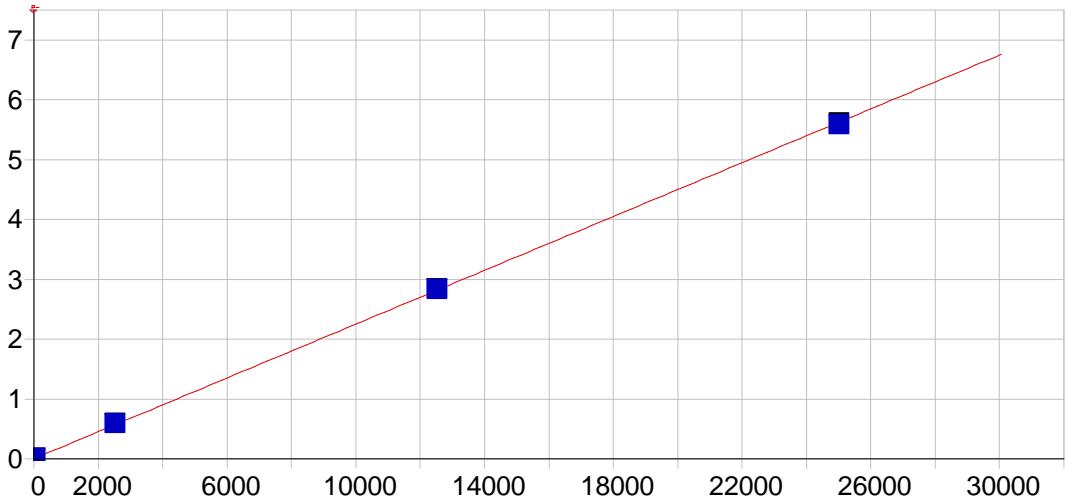


**Cr 267.716 {126}**

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000039      Re-Slope: 1.000000  
 A1 (Gain): 0.000159      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999928      Status: OK.  
 Std Error of Est: 0.000031  
 Predicted MDL: 0.736941  
 Predicted MQL: 2.456469

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00087	-.001	.000	.00004	.000	1
DCAL2	10.000	10.474	.474	4.74	.00171	.000	1
DCAL3	1000.0	1046.3	46.3	4.63	.16593	.000	1
DCAL4	5000.0	4983.1	-16.9	-.337	.79017	.003	1
DCAL5	10000.	9970.1	-29.9	-.299	1.5809	.005	1

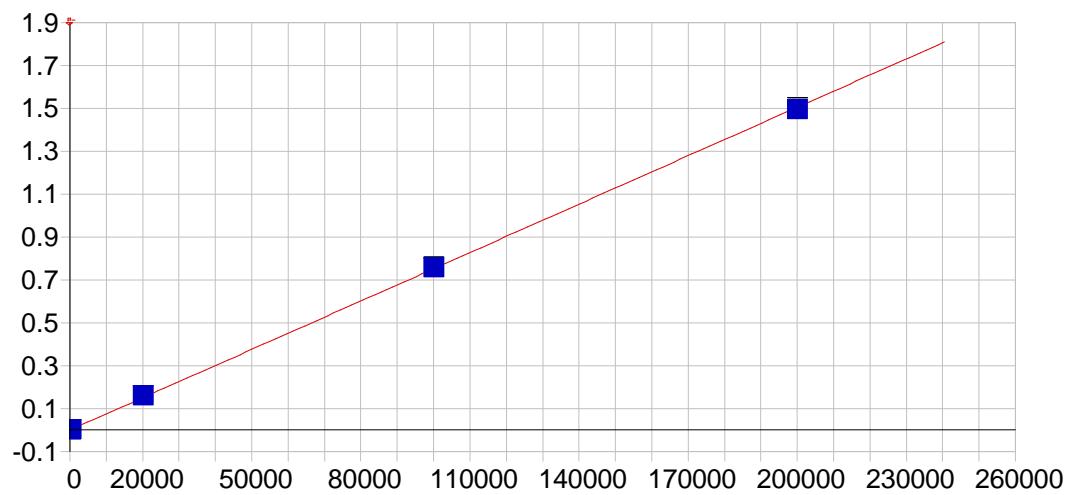


**Cu 324.754 {104}**

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.001879      Re-Slope: 1.000000  
 A1 (Gain): 0.000225      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999913      Status: OK.  
 Std Error of Est: 0.000072  
 Predicted MDL: 4.612715

Predicted MQL:		15.375717					
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00050	-.001	.000	.00188	.000	1
DCAL1	10.000	10.972	.972	9.72	.00434	.001	1
DCAL2	25.000	22.779	-2.22	-8.89	.00699	.001	1
DCAL3	2500.0	2606.8	107.	4.27	.58748	.005	1
DCAL4	12500.	12587.	86.7	.694	2.8293	.005	1
DCAL5	25000.	24808.	-192.	-.769	5.5744	.027	1

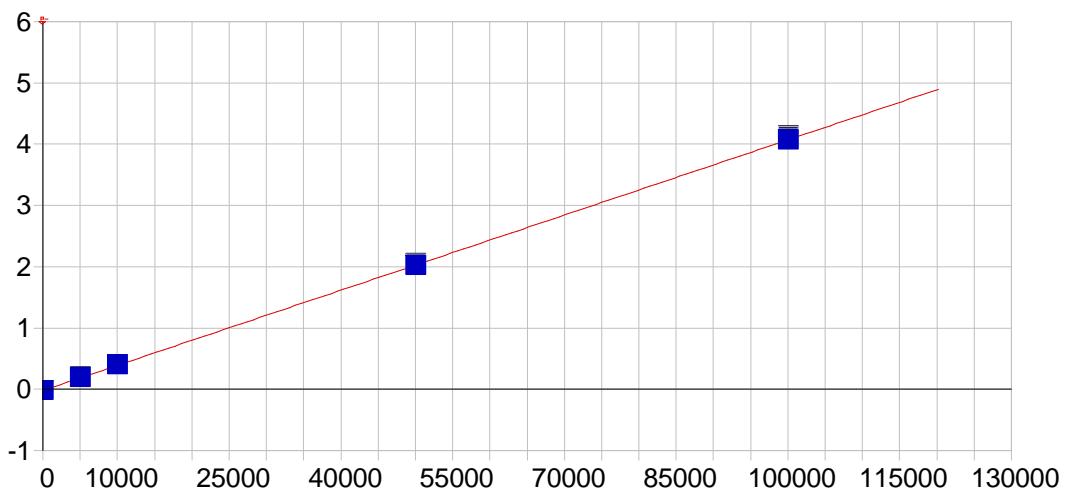
  


**Fe 271.441 {124}**

Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000046	Re-Slope:	1.000000		
A1 (Gain):	0.000008	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999878	Status:	OK.		
Std Error of Est:	0.000026				
Predicted MDL:	16.433097				
Predicted MQL:	54.776991				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.04075	-.041	.000	.00005	.000	1
DCAL1	100.00	122.88	22.9	22.9	.00097	.000	1
DCAL2	150.00	169.31	19.3	12.9	.00136	.000	1
DCAL3	20000.	21064.	1060.	5.32	.15892	.001	1
DCAL4	100000.	100460.	462.	.462	.75785	.002	1
DCAL5	200000.	198430.	-1570.	-.785	1.4969	.007	1

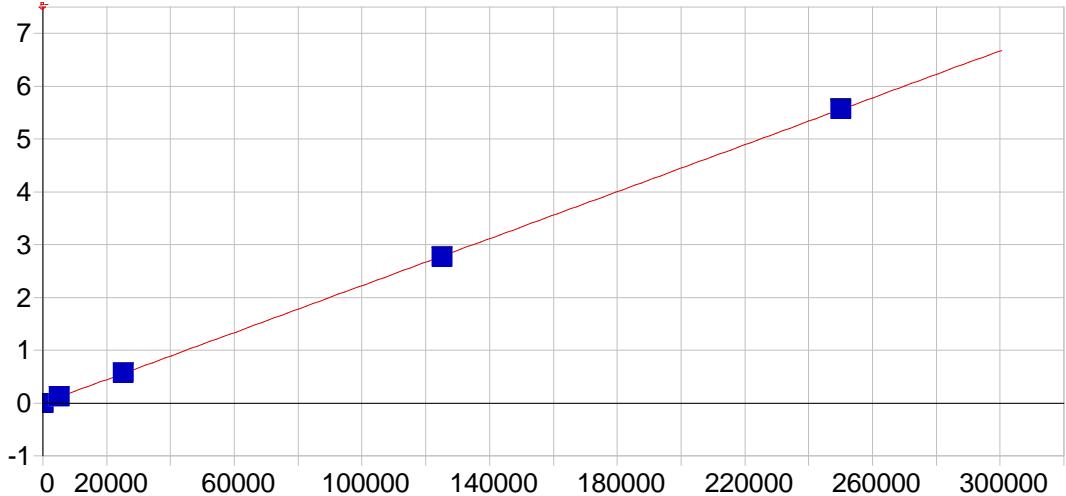


**K 766.490 { 44 }**

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.018637      Re-Slope: 1.000000  
 A1 (Gain): 0.000041      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999986      Status: OK.  
 Std Error of Est: 0.000256  
 Predicted MDL: 71.079973  
 Predicted MQL: 236.933245

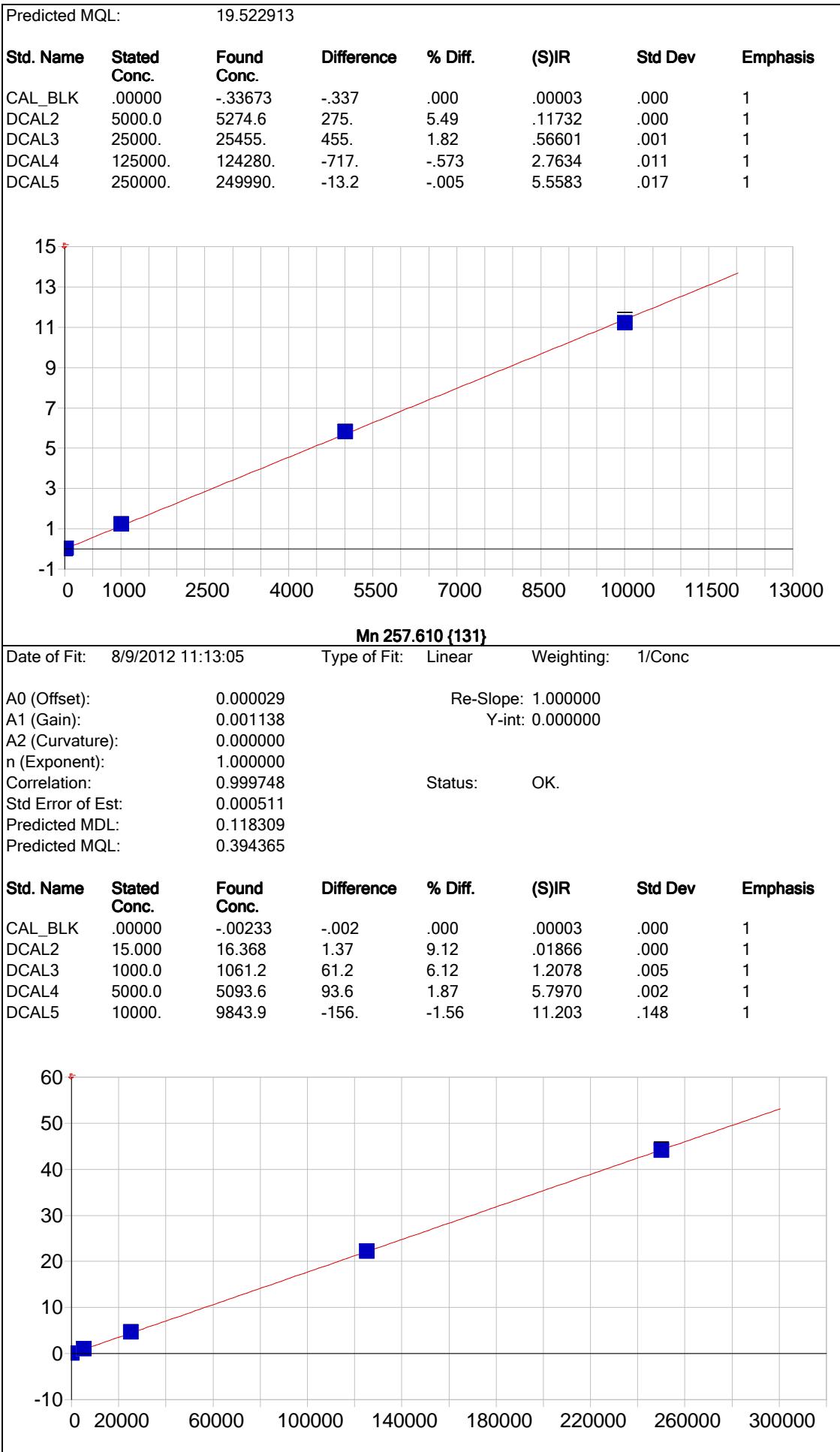
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.15188	-.152	.000	-.01864	.002	1
DCAL2	5000.0	5103.8	104.	2.08	.19086	.001	1
DCAL3	10000.	10138.	138.	1.38	.40120	.004	1
DCAL4	50000.	49826.	-174.	-.349	2.0453	.006	1
DCAL5	100000.	99934.	-66.3	-.066	4.1207	.013	1



**Mg 279.079 {121}**

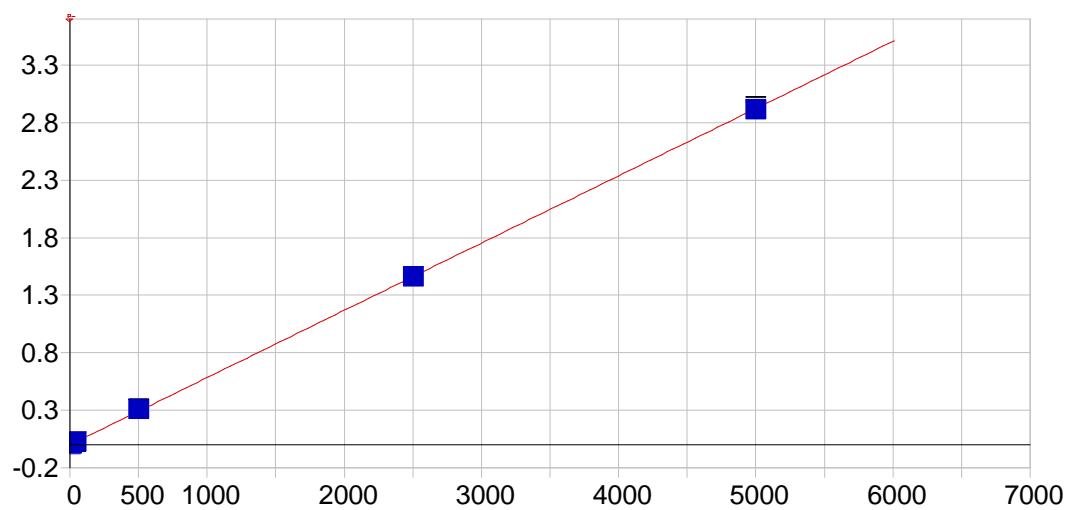
Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000039      Re-Slope: 1.000000  
 A1 (Gain): 0.000022      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966      Status: OK.  
 Std Error of Est: 0.000336  
 Predicted MDL: 5.856874

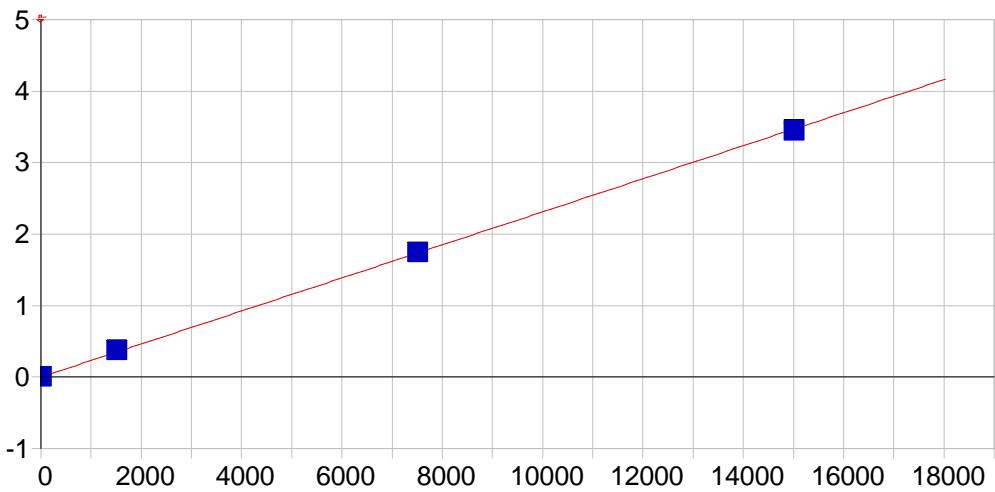


**Na 589.592 { 57}**

Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	0.001565	Re-Slope:	1.000000				
A1 (Gain):	0.000177	Y-int:	0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999944	Status:	OK.				
Std Error of Est:	0.003450						
Predicted MDL:	16.850105						
Predicted MQL:	56.167016						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.33837	-.338	.000	.00151	.002	1
DCAL2	5000.0	5174.1	174.	3.48	.91654	.005	1
DCAL3	25000.	25925.	925.	3.70	4.5890	.021	1
DCAL4	125000.	125060.	61.4	.049	22.132	.008	1
DCAL5	250000.	248840.	-.1160.	-.464	44.035	.241	1


**Ni 231.604 {446}**

Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000221	Re-Slope:	1.000000				
A1 (Gain):	0.000584	Y-int:	0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999910	Status:	OK.				
Std Error of Est:	0.000086						
Predicted MDL:	0.613946						
Predicted MQL:	2.046487						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00218	-.002	.000	-.00022	.000	1
DCAL1	10.000	11.092	1.09	10.9	.00626	.000	1
DCAL2	40.000	42.824	2.82	7.06	.02483	.000	1
DCAL3	500.00	522.87	22.9	4.57	.30589	.000	1
DCAL4	2500.0	2490.8	-9.21	-.368	1.4581	.002	1
DCAL5	5000.0	4982.4	-.17.6	-.351	2.9169	.021	1

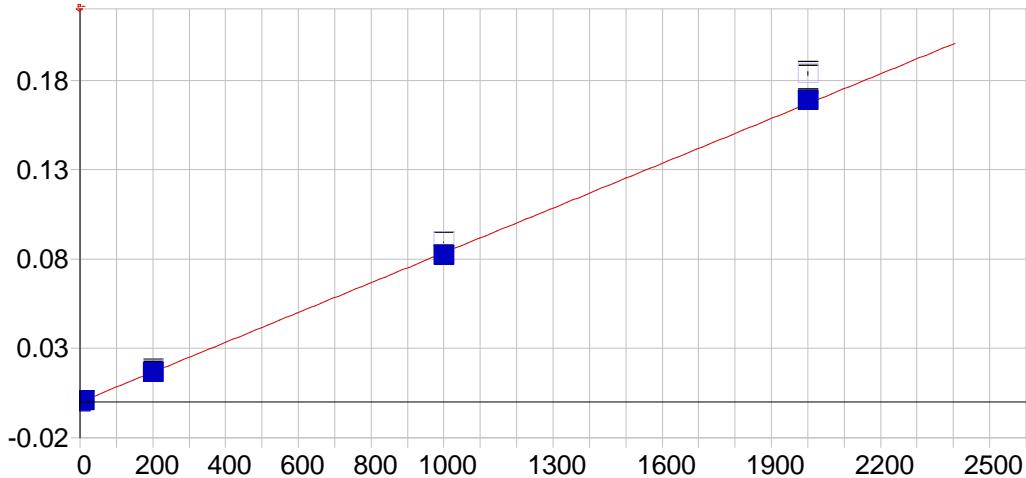


### Pb 220.353 {453}

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000162      Re-Slope: 1.000000  
 A1 (Gain): 0.000231      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999859      Status: OK.  
 Std Error of Est: 0.000055  
 Predicted MDL: 1.727312  
 Predicted MQL: 5.757706

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00017	.000	.000	.00016	.000	1
DCAL2	5.0000	4.8837	-.116	-2.33	.00130	.000	1
DCAL3	1500.0	1591.1	91.1	6.07	.36723	.000	1
DCAL4	7500.0	7534.7	34.7	.463	1.7383	.003	1
DCAL5	15000.	14874.	-126.	-.838	3.4313	.022	1



### Sb 206.833 {463}

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000043      Re-Slope: 1.000000  
 A1 (Gain): 0.000083      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999920      Status: OK.  
 Std Error of Est: 0.000008  
 Predicted MDL: 3.090255

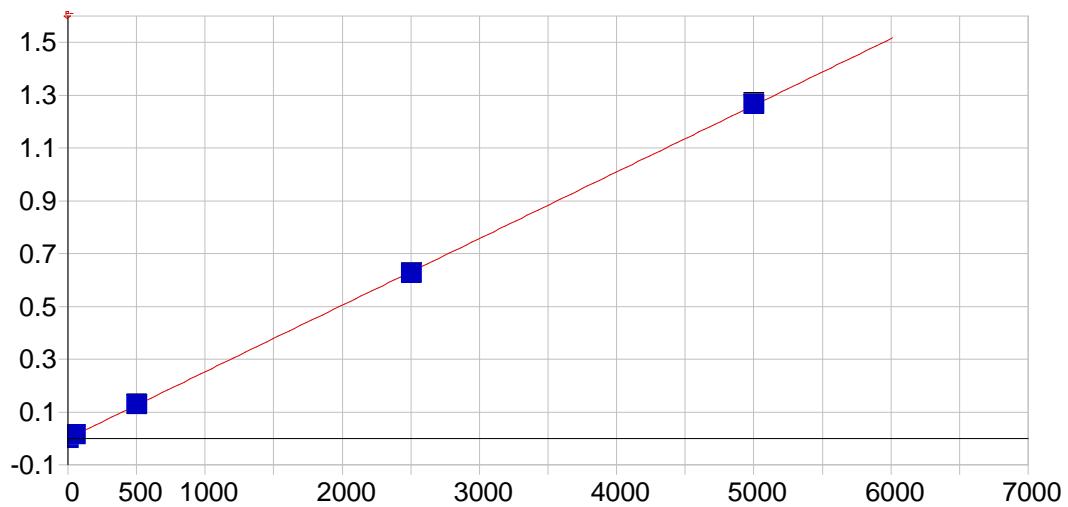
Predicted MQL: 10.300851							
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00086	.001	.000	.00004	.000	1
DCAL2	10.000	9.2575	-.743	-7.43	.00082	.000	1
DCAL3	200.00	199.50	-.502	-.251	.01820	.000	1
DCAL4	1000.0	981.25	-.18.8	-1.88	.08948	.000	1
DCAL5	2000.0	2019.9	.997	.997	.18372	.001	1
<b>Se 196.090 {472}</b>							
Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	0.0000123	Re-Slope: 1.000000			A1 (Gain): 0.000044	Y-int: 0.000000	
A2 (Curvature):	0.000000				n (Exponent): 1.000000		
Correlation:	0.999811				Std Error of Est: 0.000007	Status: OK.	
Predicted MDL:	4.716758				Predicted MQL: 15.722525		
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00060	.001	.000	.00012	.000	1
DCAL2	5.0000	4.5331	-.467	-9.34	.00032	.000	1
DCAL3	500.00	492.21	-.79	-1.56	.02152	.000	1
DCAL4	2500.0	2434.2	-.65.8	-2.63	.10595	.000	1
DCAL5	5000.0	5074.0	.74.0	1.48	.22076	.002	1

**TI 190.856 {477}**

Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	-0.000205	Re-Slope:	1.000000		
A1 (Gain):	0.000079	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999727	Status:	OK.		
Std Error of Est:	0.000021				
Predicted MDL:	2.769789				
Predicted MQL:	9.232629				

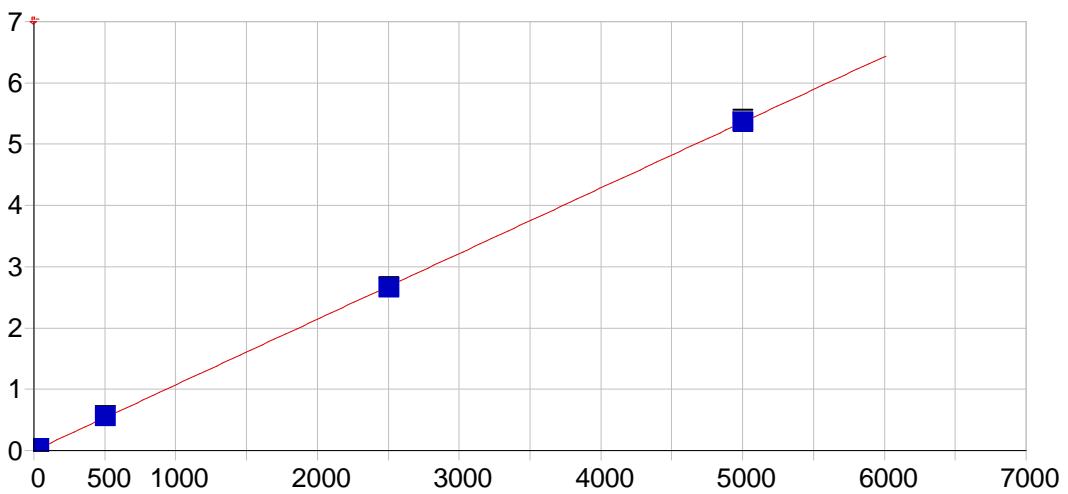
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00130	-.001	.000	-.00020	.000	1
DCAL2	10.000	10.500	.500	5.00	.00062	.000	1
DCAL3	500.00	544.34	44.3	8.87	.04256	.000	1
DCAL4	2500.0	2501.0	.988	.040	.19626	.000	1
DCAL5	5000.0	4954.2	-.45.8	-.917	.38896	.003	1


**V 292.402 {115}**

Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000041	Re-Slope:	1.000000		
A1 (Gain):	0.000252	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999980	Status:	OK.		
Std Error of Est:	0.000042				
Predicted MDL:	0.618805				
Predicted MQL:	2.062684				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00151	-.002	.000	.00004	.000	1
DCAL2	50.000	50.988	.988	1.98	.01290	.000	1
DCAL3	500.00	508.15	8.15	1.63	.12833	.000	1
DCAL4	2500.0	2480.3	-19.7	-.789	.62624	.002	1
DCAL5	5000.0	5010.6	10.6	.212	1.2651	.006	1

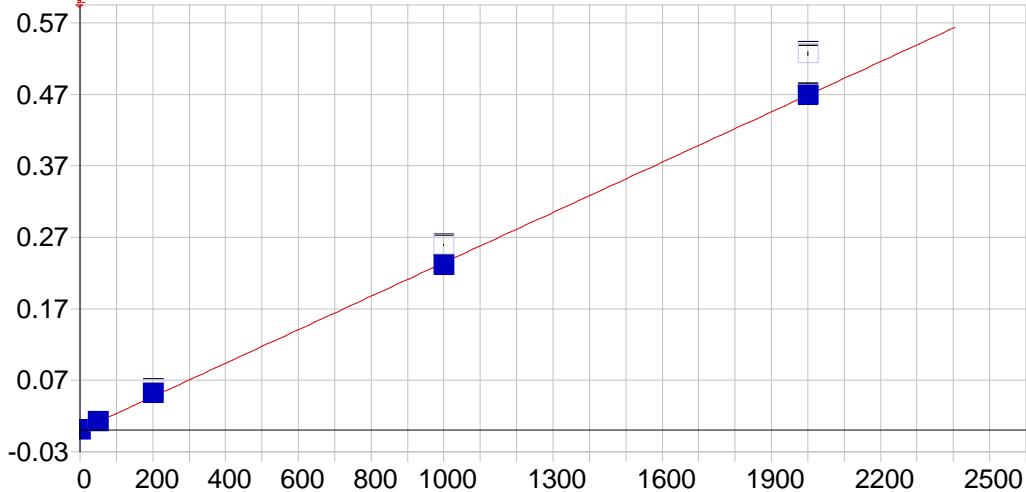


Zn 206.200 {463}

Date of Fit: 8/9/2012 11:13:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000113 Re-Slope: 1.000000  
 A1 (Gain): 0.001071 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999931 Status: OK.  
 Std Error of Est: 0.000252  
 Predicted MDL: 0.233223  
 Predicted MQL: 0.777409

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00271	-.003	.000	.00011	.000	1
DCAL2	30.000	31.749	1.75	5.83	.03414	.000	1
DCAL3	500.00	520.31	20.3	4.06	.55810	.002	1
DCAL4	2500.0	2478.9	-21.1	-.842	2.6587	.003	1
DCAL5	5000.0	4999.0	-.996	-.020	5.3613	.039	1

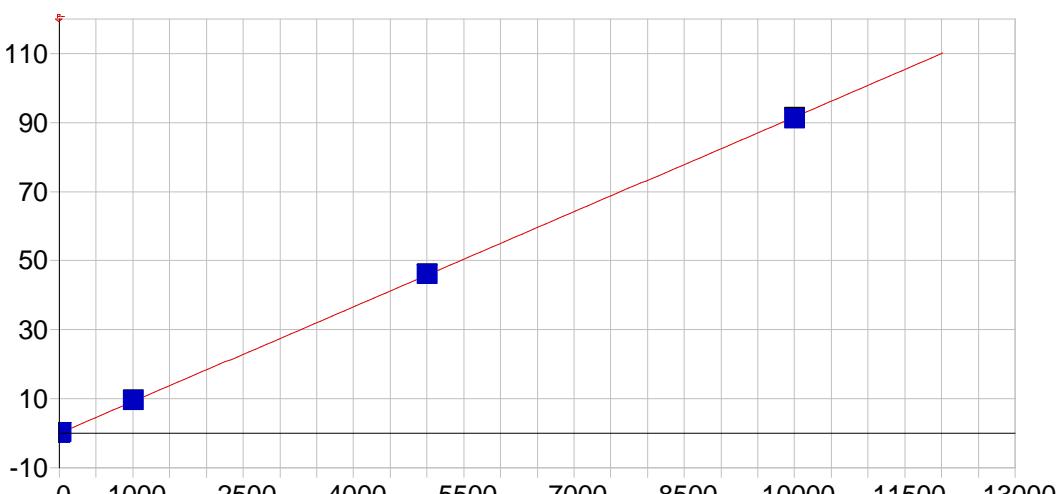


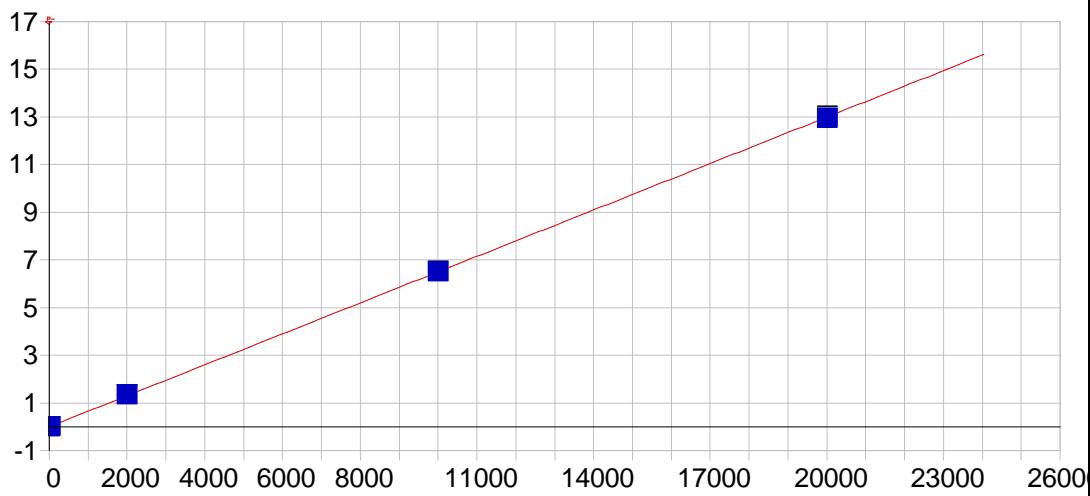
B 208.959 {461}

Date of Fit: 8/9/2012 11:13:05 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000089 Re-Slope: 1.000000  
 A1 (Gain): 0.000234 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999758 Status: OK.  
 Std Error of Est: 0.000095  
 Predicted MDL: 1.045971

Predicted MQL:	3.486569						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00435	-.004	.000	.00009	.000	1
DCAL2	50.000	50.712	.712	1.42	.01220	.000	1
DCAL3	200.00	218.20	18.2	9.10	.05703	.000	1
DCAL4	1000.0	982.32	-17.7	-1.77	.25934	.001	1
DCAL5	2000.0	1998.8	-1.17	-.058	.52660	.003	1
<b>Mo 202.030 {467}</b>							
Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-.0000577	Re-Slope: 1.000000			A1 (Gain):	Y-int: 0.000000	
A2 (Curvature):	0.000000				n (Exponent):		
Correlation:	0.999974	Status: OK.			Std Error of Est:		
Predicted MDL:	0.382903				Predicted MQL:		
Predicted MQL:	1.276345						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00068	-.001	.000	-.00058	.000	1
DCAL2	20.000	20.503	.503	2.52	.01375	.000	1
DCAL3	500.00	507.59	7.59	1.52	.35346	.001	1
DCAL4	2500.0	2475.5	-24.5	-.979	1.7261	.003	1
DCAL5	5000.0	5016.4	16.4	.327	3.4983	.019	1

Sn 189.989 {477}							
Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	0.000097	Re-Slope: 1.000000					
A1 (Gain):	0.000117	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999922	Status: OK.					
Std Error of Est:	0.000024						
Predicted MDL:	1.286232						
Predicted MQL:	4.287440						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00457	-.005	.000	.00010	.000	1
DCAL2	50.000	53.182	3.18	6.36	.00633	.000	1
DCAL3	200.00	207.10	7.10	3.55	.02405	.000	1
DCAL4	1000.0	995.01	-4.99	-.499	.11511	.000	1
DCAL5	2000.0	1994.7	-5.34	-.267	.23067	.002	1
							
Sr 407.771 { 83}							
Date of Fit:	8/9/2012 11:13:05	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.002715	Re-Slope: 1.000000					
A1 (Gain):	0.009163	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999947	Status: OK.					
Std Error of Est:	0.002168						
Predicted MDL:	0.167915						
Predicted MQL:	0.559716						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00133	-.001	.000	-.00273	.001	1
DCAL2	20.000	20.655	.655	3.27	.18951	.002	1
DCAL3	1000.0	1035.3	35.3	3.53	9.4711	.052	1
DCAL4	5000.0	5021.1	21.1	.423	45.943	.051	1
DCAL5	10000.	9942.9	-57.1	-.571	90.979	.326	1

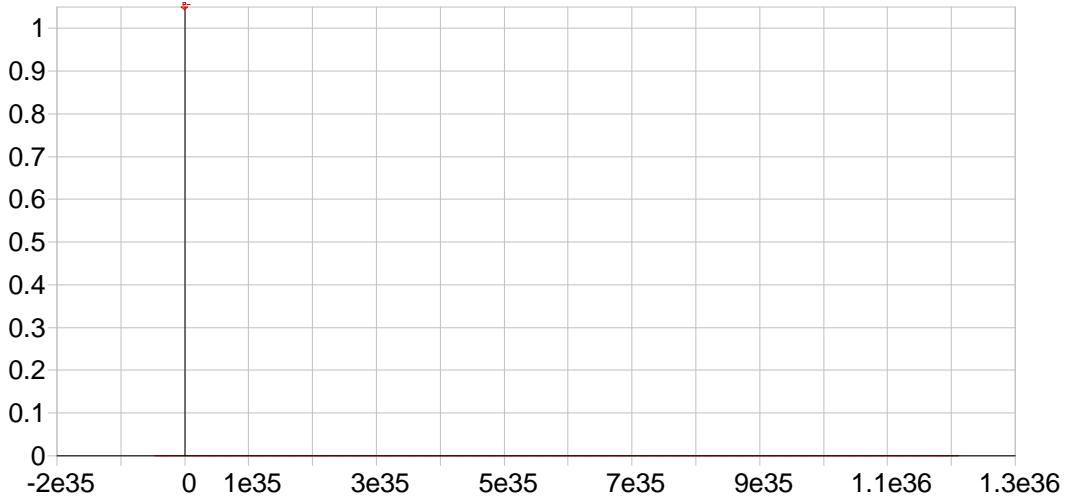


#### Ti 334.941 {101}

Date of Fit: 8/9/2012 11:13:05      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000698      Re-Slope: 1.000000  
 A1 (Gain): 0.000650      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999964      Status: OK.  
 Std Error of Est: 0.000180  
 Predicted MDL: 1.916761  
 Predicted MQL: 6.389203

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00351	-.004	.000	-.00070	.001	1
DCAL2	20.000	22.992	2.99	15.0	.01440	.002	1
DCAL3	2000.0	2056.6	56.6	2.83	1.3375	.004	1
DCAL4	10000.	10009.	9.16	.092	6.5122	.012	1
DCAL5	20000.	19931.	-68.8	-.344	12.968	.044	1



#### Y 224.306 {450}\*

Date of Fit: 7/16/2012 12:10:57      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000000      Re-Slope: 1.000000  
 A1 (Gain): 0.000000      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.000000      Status: Warning      Zero Gain  
 Std Error of Est: 183.492520  
 Predicted MDL: n/a

Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Y 360.073 { 94}* Date of Fit: 6/29/2012 16:27:38      Type of Fit: Linear      Weighting: 1/Conc							
A0 (Offset):	0.000000	Re-Slope: 1.000000					
A1 (Gain):	0.000000	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000	Status: Warning      Zero Gain					
Std Error of Est:	0.000000						
Predicted MDL:	n/a						
Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Y 371.030 { 91}* Date of Fit: 7/16/2012 12:25:53      Type of Fit: Linear      Weighting: 1/Conc							
A0 (Offset):	0.000000	Re-Slope: 1.000000					
A1 (Gain):	0.000000	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000	Status: Warning      Zero Gain					
Std Error of Est:	192.759705						
Predicted MDL:	n/a						

Predicted MQL:		n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis	
<b>Si 288.158 {117}</b>								
Date of Fit:	8/9/2012 11:13:06	Type of Fit:	Linear	Weighting:	1/Conc			
A0 (Offset):	0.001545		Re-Slope: 1.000000					
A1 (Gain):	0.000041		Y-int: 0.000000					
A2 (Curvature):	0.000000							
n (Exponent):	1.000000							
Correlation:	0.999809		Status:	OK.				
Std Error of Est:	0.000085							
Predicted MDL:	22.102381							
Predicted MQL:	73.674605							
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis	
CAL_BLK	.00000	.00180	.002	.000	.00155	.001	1	
DCAL2	200.00	194.30	-5.70	-2.85	.00961	.000	1	
DCAL3	2000.0	2073.5	73.5	3.68	.08871	.001	1	
DCAL4	10000.	9722.9	-277.	-2.77	.41072	.003	1	
DCAL5	20000.	20209.	209.	1.05	.85146	.006	1	

Sample Name: CAL\_BLK Acquired: 8/9/2012 10:51:40 Type: Cal

Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0002	-.0001	.0002	-.0006	-.0085
Stddev	.001	.0001	.0002	.0003	.0007	.0017
%RSD	2360.	86.89	162.2	141.7	112.9	20.22

#1	-.0007	.0000	-.0003	.0005	-.0007	-.0104
#2	-.0008	-.0003	.0001	.0003	.0001	-.0076
#3	.0013	-.0002	-.0002	-.0001	-.0011	-.0074

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0006	-.0005	.0000	.0019	.0000	-.0186
Stddev	.0003	.0001	.0001	.0002	.0001	.0022
%RSD	62.72	18.61	138.5	12.97	304.0	11.96

#1	-.0008	-.0005	.0001	.0018	-.0001	-.0209
#2	-.0002	-.0004	.0000	.0022	.0002	-.0164
#3	-.0008	-.0006	.0000	.0017	.0000	-.0187

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	.0000	.0015	-.0002	.0002	.0000
Stddev	.0001	.0001	.0017	.0001	.0002	.0002
%RSD	263.7	223.6	116.1	52.08	140.2	530.3

#1	.0000	.0001	.0034	-.0003	-.0001	.0001
#2	-.0001	.0001	.0011	-.0003	.0003	.0003
#3	.0001	.0000	.0000	-.0001	.0002	-.0002

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0002	.0000	.0001	.0001	-.0006
Stddev	.0002	.0001	.0001	.0001	.0001	.0003
%RSD	123.3	60.97	139.6	96.59	155.7	49.95

#1	.0003	-.0001	.0000	.0002	.0002	-.0009
#2	.0000	-.0001	.0000	.0000	-.0001	-.0003
#3	.0000	-.0003	.0001	.0001	.0001	-.0006

Sample Name: CAL\_BLK Acquired: 8/9/2012 10:51:40 Type: Cal

Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	-.0027	-.0007	.0015
Stddev	.0000	.0014	.0010	.0009
%RSD	42.20	51.48	141.2	58.47

#1	.0001	-.0031	.0000	.0020
#2	.0001	-.0039	-.0018	.0021
#3	.0001	-.0012	-.0003	.0005

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2493.9	27054.	2419.7
Stddev	3.6	83.	5.9
%RSD	.14291	.30634	.24419

#1	2496.6	27108.	2421.6
#2	2495.2	26958.	2424.4
#3	2489.8	27095.	2413.1

Sample Name: DCAL1 Acquired: 8/9/2012 10:55:25 Type: Cal  
Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
User: admin Custom ID1: Custom ID2: Custom ID3:  
Comment:

Elem	Cu3247	Fe2714	Ni2316
Line	324.754 {104}	271.441 {124}	231.604 {446}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S
Avg	<b>.0043</b>	<b>.0010</b>	<b>.0063</b>
Stddev	.0005	.0000	.0002
%RSD	12.04	1.550	3.774

#1	.0044	.0010	.0061
#2	.0048	.0010	.0061
#3	.0038	.0010	.0065

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2468.3</b>	<b>26923.</b>	<b>2384.7</b>
Stddev	2.3	80.	12.5
%RSD	.09475	.29695	.52477

#1	2470.8	27006.	2374.7
#2	2466.2	26847.	2380.8
#3	2468.0	26914.	2398.8

Sample Name: DCAL2 Acquired: 8/9/2012 10:59:11 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0108	.0003	.0019	.4489	.0122	.5604
Stddev	.0015	.0001	.0001	.0022	.0008	.0017
%RSD	13.56	24.19	6.428	.4810	6.875	.3113
#1	.0116	.0003	.0019	.4513	.0115	.5585
#2	.0091	.0003	.0017	.4479	.0132	.5609
#3	.0117	.0004	.0019	.4473	.0120	.5618
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0129	.0382	.0017	.0070	.0014	.1909
Stddev	.0003	.0003	.0001	.0012	.0001	.0012
%RSD	2.342	.7073	5.038	17.36	4.213	.6039
#1	.0129	.0383	.0016	.0068	.0014	.1898
#2	.0132	.0383	.0018	.0083	.0014	.1906
#3	.0126	.0378	.0017	.0059	.0013	.1921
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1173	.0187	.9165	.0248	.0013	.0008
Stddev	.0004	.0002	.0048	.0003	.0001	.0001
%RSD	.3264	.8156	.5256	1.101	4.866	13.64
#1	.1173	.0185	.9112	.0251	.0012	.0009
#2	.1177	.0187	.9206	.0248	.0014	.0008
#3	.1169	.0188	.9177	.0245	.0013	.0007
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0006	.0129	.0341	.0122	.0138
Stddev	.0002	.0001	.0001	.0001	.0001	.0002
%RSD	56.11	23.25	1.160	.3603	.4621	1.688
#1	.0002	.0006	.0130	.0340	.0122	.0137
#2	.0005	.0008	.0130	.0342	.0123	.0140
#3	.0002	.0005	.0127	.0342	.0122	.0135

Sample Name: DCAL2 Acquired: 8/9/2012 10:59:11 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0063</b>	<b>.1895</b>	<b>.0144</b>	<b>.0096</b>
Stddev	.0001	.0024	.0023	.0002
%RSD	1.613	1.259	15.69	2.096
#1	.0063	.1874	.0120	.0096
#2	.0064	.1890	.0165	.0094
#3	.0062	.1921	.0146	.0098
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	<b>2510.0</b>	<b>27208.</b>	<b>2433.5</b>	
Stddev	6.1	42.	16.8	
%RSD	.24159	.15441	.68840	
#1	2515.5	27237.	2452.7	
#2	2510.9	27160.	2425.5	
#3	2503.5	27227.	2422.2	

Sample Name: DCAL3 Acquired: 8/9/2012 11:02:53 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>1.596</b>	<b>.0301</b>	<b>.0519</b>	<b>4.402</b>	<b>1.270</b>	<b>2.847</b>
Stddev	.004	.0002	.0003	.005	.007	.024
%RSD	.2358	.7346	.5223	.1082	.5430	.8538
#1	1.592	.0301	.0517	4.402	1.262	2.821
#2	1.595	.0303	.0522	4.407	1.274	2.851
#3	1.599	.0298	.0517	4.397	1.274	2.870
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.8239</b>	<b>.3801</b>	<b>.1659</b>	<b>.5875</b>	<b>.1589</b>	<b>.4012</b>
Stddev	.0010	.0001	.0002	.0050	.0006	.0038
%RSD	.1274	.0373	.1248	.8470	.3635	.9460
#1	.8242	.3800	.1662	.5823	.1596	.3972
#2	.8247	.3800	.1659	.5879	.1587	.4015
#3	.8227	.3802	.1657	.5923	.1585	.4048
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.5660</b>	<b>1.208</b>	<b>4.589</b>	<b>.3059</b>	<b>.3672</b>	<b>.0182</b>
Stddev	.0015	.005	.021	.0004	.0001	.0002
%RSD	.2563	.4181	.4606	.1304	.0335	.9423
#1	.5676	1.203	4.565	.3056	.3673	.0183
#2	.5648	1.208	4.601	.3063	.3672	.0183
#3	.5656	1.213	4.601	.3057	.3671	.0180
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0215</b>	<b>.0426</b>	<b>.1283</b>	<b>.5581</b>	<b>.0570</b>	<b>.3535</b>
Stddev	.0001	.0002	.0002	.0020	.0004	.0013
%RSD	.4978	.5777	.1260	.3672	.7388	.3818
#1	.0216	.0423	.1284	.5572	.0568	.3523
#2	.0215	.0428	.1281	.5604	.0568	.3549
#3	.0214	.0425	.1284	.5566	.0575	.3532

Sample Name: DCAL3 Acquired: 8/9/2012 11:02:53 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0240</b>	<b>9.471</b>	<b>1.337</b>	<b>.0887</b>
Stddev	.0001	.052	.004	.0007
%RSD	.4172	.5486	.2845	.8144
#1	.0241	9.416	1.333	.0894
#2	.0241	9.478	1.338	.0887
#3	.0239	9.520	1.341	.0880
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	<b>2450.6</b>	<b>26520.</b>	<b>2376.1</b>	
Stddev	5.6	79.	19.1	
%RSD	.22853	.29713	.80331	
#1	2456.5	26470.	2390.8	
#2	2445.4	26611.	2383.0	
#3	2449.8	26478.	2354.5	

Sample Name: DCAL4 Acquired: 8/9/2012 11:06:21 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>7.755</b>	<b>.1509</b>	<b>.2576</b>	<b>21.16</b>	<b>6.129</b>	<b>13.75</b>
Stddev	.020	.0006	.0005	.03	.013	.01
%RSD	.2510	.3973	.1859	.1553	.2086	.0578
#1	7.734	.1505	.2571	21.14	6.137	13.75
#2	7.758	.1516	.2580	21.20	6.135	13.74
#3	7.772	.1507	.2578	21.15	6.114	13.75
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>3.941</b>	<b>1.814</b>	<b>.7902</b>	<b>2.829</b>	<b>.7579</b>	<b>2.045</b>
Stddev	.007	.004	.0032	.005	.0021	.006
%RSD	.1782	.1976	.4058	.1726	.2732	.2883
#1	3.934	1.813	.7866	2.831	.7555	2.046
#2	3.948	1.817	.7911	2.833	.7588	2.039
#3	3.941	1.810	.7928	2.824	.7593	2.051
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>2.763</b>	<b>5.797</b>	<b>22.13</b>	<b>1.458</b>	<b>1.738</b>	<b>.0895</b>
Stddev	.011	.002	.01	.002	.003	.0001
%RSD	.3807	.0362	.0380	.1534	.1756	.1501
#1	2.752	5.795	22.12	1.458	1.736	.0896
#2	2.766	5.797	22.14	1.461	1.742	.0893
#3	2.772	5.799	22.13	1.456	1.737	.0895
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.1060</b>	<b>.1963</b>	<b>.6262</b>	<b>2.659</b>	<b>.2593</b>	<b>1.726</b>
Stddev	.0001	.0003	.0018	.003	.0008	.003
%RSD	.0940	.1511	.2870	.1192	.2906	.1879
#1	.1059	.1963	.6242	2.658	.2588	1.724
#2	.1061	.1965	.6274	2.662	.2602	1.730
#3	.1059	.1959	.6272	2.656	.2590	1.725

Sample Name: DCAL4 Acquired: 8/9/2012 11:06:21 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1151	45.94	6.512	.4107
Stddev	.0003	.05	.012	.0030
%RSD	.2972	.1101	.1901	.7403
#1	.1151	45.93	6.500	.4072
#2	.1154	46.00	6.524	.4125
#3	.1148	45.90	6.512	.4124
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	2291.6	24911.	2323.3	
Stddev	4.9	16.	7.1	
%RSD	.21457	.06488	.30699	
#1	2286.4	24929.	2315.1	
#2	2292.0	24905.	2328.2	
#3	2296.2	24899.	2326.6	

Sample Name: DCAL5 Acquired: 8/9/2012 11:09:42 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>15.61</b>	<b>.3135</b>	<b>.5252</b>	<b>42.65</b>	<b>12.13</b>	<b>26.29</b>
Stddev	.03	.0025	.0018	.29	.05	.14
%RSD	.1841	.7926	.3493	.6875	.4301	.5353
#1	15.64	.3162	.5270	42.97	12.19	26.44
#2	15.62	.3128	.5251	42.55	12.10	26.25
#3	15.58	.3114	.5233	42.41	12.09	26.17
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>7.960</b>	<b>3.646</b>	<b>1.581</b>	<b>5.574</b>	<b>1.497</b>	<b>4.121</b>
Stddev	.054	.022	.005	.027	.007	.013
%RSD	.6766	.6130	.3304	.4827	.4486	.3197
#1	8.021	3.670	1.586	5.605	1.504	4.135
#2	7.940	3.641	1.581	5.562	1.497	4.118
#3	7.919	3.626	1.576	5.556	1.490	4.109
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>5.558</b>	<b>11.20</b>	<b>44.03</b>	<b>2.917</b>	<b>3.431</b>	<b>.1837</b>
Stddev	.017	.15	.24	.021	.021	.0010
%RSD	.3018	1.323	.5479	.7225	.6268	.5546
#1	5.575	11.22	44.28	2.941	3.455	.1848
#2	5.559	11.05	44.02	2.910	3.424	.1837
#3	5.541	11.34	43.80	2.900	3.414	.1827
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.2208</b>	<b>.3890</b>	<b>1.265</b>	<b>5.361</b>	<b>.5266</b>	<b>3.498</b>
Stddev	.0020	.0029	.006	.039	.0027	.019
%RSD	.9017	.7549	.4735	.7220	.5136	.5498
#1	.2230	.3923	1.271	5.405	.5297	3.519
#2	.2202	.3880	1.265	5.346	.5255	3.494
#3	.2191	.3867	1.259	5.333	.5246	3.482

Sample Name: DCAL5 Acquired: 8/9/2012 11:09:42 Type: Cal  
 Method: SW8460080712(v2) Mode: IR Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.2307</b>	<b>90.98</b>	<b>12.97</b>	<b>.8515</b>
Stddev	.0022	.33	.04	.0057
%RSD	.9352	.3581	.3426	.6675
#1	.2330	91.34	13.02	.8489
#2	.2301	90.89	12.95	.8475
#3	.2288	90.71	12.94	.8580
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	<b>2164.2</b>	<b>23992.</b>	<b>2305.2</b>	
Stddev	13.2	93.	19.1	
%RSD	.60864	.38586	.83033	
#1	2148.9	23886.	2283.6	
#2	2171.8	24058.	2311.7	
#3	2171.7	24032.	2320.2	

Sample Name: CCV Acquired: 8/9/2012 11:13:21 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126000.	2482.	1248.	10040.	1008.	128900.
Stddev	152.	8.	2.	6.	1.	160.
%RSD	.1209	.3358	.1446	.0601	.1073	.1241

#1	126200.	2489.	1246.	10030.	1009.	128800.
#2	125900.	2473.	1249.	10040.	1007.	129000.
#3	125900.	2484.	1248.	10040.	1009.	128800.

Check ? Value Range	Chk Pass					
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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1253.	2513.	5059.	12640.	101400.	50380.
Stddev	1.	1.	10.	5.	114.	125.
%RSD	.0609	.0566	.1981	.0382	.1127	.2478

#1	1252.	2512.	5053.	12650.	101300.	50380.
#2	1254.	2515.	5053.	12640.	101400.	50260.
#3	1253.	2513.	5070.	12640.	101600.	50510.

Check ? Value Range	Chk Pass					
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Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125800.	5145.	126100.	2526.	7621.	994.0
Stddev	128.	17.	157.	1.	9.	1.8
%RSD	.1018	.3300	.1244	.0415	.1205	.1814

#1	125900.	5127.	126200.	2527.	7610.	992.0
#2	125700.	5148.	126200.	2525.	7628.	994.2
#3	126000.	5161.	125900.	2525.	7624.	995.6

Check ? Value Range	Chk Pass					
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Sample Name: CCV Acquired: 8/9/2012 11:13:21 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2466.	2523.	2494.	2506.	992.5	2506.
Stddev	11.	4.	2.	1.	3.9	5.
%RSD	.4509	.1583	.0623	.0559	.3968	.1813

#1	2464.	2527.	2492.	2506.	990.9	2501.
#2	2457.	2521.	2495.	2508.	989.6	2510.
#3	2479.	2520.	2494.	2506.	997.0	2505.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1003.	5067.	10140.	9865.
Stddev	3.	4.	15.	35.
%RSD	.3279	.0885	.1439	.3542

#1	1000.	5062.	10160.	9877.
#2	1007.	5067.	10140.	9893.
#3	1003.	5071.	10130.	9826.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2302.7	25151.	2339.8
Stddev	3.7	149.	13.0
%RSD	.15948	.59183	.55581

#1	2306.9	25142.	2337.7
#2	2300.6	25304.	2353.7
#3	2300.5	25007.	2327.9

Sample Name: CCB Acquired: 8/9/2012 11:16:41 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10.86</b>	<b>.2231</b>	<b>-.9874</b>	<b>.6054</b>	<b>.1331</b>	<b>2.167</b>
Stddev	45.63	1.723	1.459	.3475	.3695	20.02
%RSD	420.2	772.4	147.8	57.39	277.6	924.1

#1	62.86	1.053	.3796	.9885	.5208	21.85
#2	-22.48	-1.758	-2.524	.5172	.0936	-18.18
#3	-7.806	1.374	-.8176	.3106	-.2150	2.834

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1037</b>	<b>.1872</b>	<b>.8635</b>	<b>.6488</b>	<b>14.25</b>	<b>57.04</b>
Stddev	.0687	.4365	.2861	4.707	5.81	62.68
%RSD	66.20	233.2	33.13	725.5	40.79	109.9

#1	.0911	.0110	.9548	5.941	12.51	88.69
#2	.0422	-.1337	1.093	-3.067	20.73	-15.15
#3	.1779	.6842	.5429	-.9282	9.506	97.58

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13.47</b>	<b>.4771</b>	<b>1.031</b>	<b>-.0441</b>	<b>-.4683</b>	<b>.8291</b>
Stddev	14.76	.3698	29.40	.3563	.3291	1.701
%RSD	109.5	77.52	2852.	807.6	70.28	205.2

#1	30.39	.8879	23.41	-.2377	-.8351	2.759
#2	3.215	.3728	11.94	.3670	-.1987	.1818
#3	6.816	.1707	-32.26	-.2617	-.3712	-.4536

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 11:16:41 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.196</b>	<b>1.681</b>	<b>.2073</b>	<b>.0119</b>	<b>4.152</b>	<b>3.238</b>
Stddev	3.107	2.439	.5817	.3763	.658	1.385
%RSD	259.8	145.1	280.7	3170.	15.84	42.79

#1	-1.269	4.033	.4412	.1545	4.860	4.837
#2	.1710	-.8369	-.4550	.2961	4.038	2.394
#3	4.686	1.848	.6356	-.4149	3.559	2.482

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0381</b>	<b>.6288</b>	<b>3.491</b>	<b>2.882</b>
Stddev	.6432	.6011	2.918	5.752
%RSD	1687.	95.60	83.58	199.6

#1	.5297	1.313	6.848	-2.830
#2	.0925	.3900	1.557	2.804
#3	-.7366	.1837	2.070	8.674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2497.3</b>	<b>27276.</b>	<b>2380.3</b>
Stddev	6.0	103.	12.5
%RSD	.24050	.37749	.52567

#1	2501.7	27392.	2381.7
#2	2499.8	27195.	2392.1
#3	2490.5	27240.	2367.2

Sample Name: ICSA 1552029

Acquired: 8/9/2012 11:20:27 Type: QC

Method: SW8460080712(v2)

Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>514200.</b>	<b>1.073</b>	<b>-1.934</b>	<b>-.6810</b>	<b>.0510</b>	<b>466800.</b>
Stddev	2391.	2.826	.906	.2059	.1909	2078.
%RSD	.4650	263.4	46.88	30.24	374.5	.4453
#1	516900.	4.082	-1.316	-.4582	.2139	468900.
#2	512900.	-1.526	-2.975	-.7204	-.1590	466700.
#3	512700.	.6642	-1.510	-.8643	.0980	464800.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.057</b>	<b>-.4433</b>	<b>.1650</b>	<b>3.517</b>	<b>202500.</b>	<b>-199.9</b>
Stddev	.174	.3908	.8883	5.391	215.	18.8
%RSD	16.43	88.17	538.4	153.3	.1063	9.424
#1	-.8561	-.8780	-.7961	8.243	202800.	-206.9
#2	-1.157	-.3306	.3352	-2.354	202400.	-214.3
#3	-1.157	-.1211	.9559	4.661	202400.	-178.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>523600.</b>	<b>-1.569</b>	<b>-147.7</b>	<b>.8388</b>	<b>.7743</b>	<b>-2.486</b>
Stddev	1605.	.128	4.2	.1679	3.287	3.148
%RSD	.3065	8.149	2.825	20.01	424.5	126.6
#1	521800.	-1.466	-150.7	.8346	.4579	-4.750
#2	524700.	-1.530	-149.5	1.009	-2.343	1.109
#3	524400.	-1.712	-142.9	.6732	4.208	-3.818

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: ICSA 1552029

Acquired: 8/9/2012 11:20:27 Type: QC

Method: SW8460080712(v2)

Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4150	-2.297	-3.100	-3.295	1.934	-2.464
Stddev	6.982	2.733	.387	.246	1.088	.456
%RSD	1682.	119.0	12.49	7.478	56.28	18.48
#1	5.450	-4.389	-2.712	-3.010	2.846	-2.018
#2	3.351	.7957	-3.486	-3.433	2.227	-2.929
#3	-7.556	-3.297	-3.102	-3.440	.7291	-2.446

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.6626	1.430	-3.599	-.7638
Stddev	1.399	.159	1.755	23.05
%RSD	211.2	11.09	48.76	3018.
#1	.2039	1.424	-1.764	25.77
#2	-2.277	1.274	-3.771	-12.14
#3	.0853	1.591	-5.261	-15.91

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2249.3	23998.	2336.3
Stddev	4.3	63.	15.9
%RSD	.19154	.26258	.67953
#1	2244.3	23972.	2318.5
#2	2251.4	23952.	2349.2
#3	2252.1	24070.	2341.1

Sample Name: ICSAB 1604491 Acquired: 8/9/2012 11:24:15 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>512900.</b>	<b>100.9</b>	<b>103.9</b>	<b>97.62</b>	<b>100.2</b>	<b>466900.</b>
Stddev	2042.	2.0	.5	.27	.4	3718.
%RSD	.3981	1.941	.4615	.2717	.4325	.7963
#1	510700.	103.0	104.2	97.91	99.74	463200.
#2	513200.	100.7	103.4	97.55	100.6	466700.
#3	514700.	99.11	104.2	97.40	100.4	470700.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>96.56</b>	<b>95.90</b>	<b>101.4</b>	<b>98.94</b>	<b>201600.</b>	<b>10350.</b>
Stddev	.40	.37	.7	.44	404.	143.
%RSD	.4191	.3814	.6662	.4464	.2002	1.385
#1	96.54	95.77	102.1	99.39	201700.	10190.
#2	96.98	96.31	100.7	98.91	202000.	10420.
#3	96.17	95.62	101.4	98.51	201200.	10450.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>522400.</b>	<b>101.3</b>	<b>10420.</b>	<b>95.46</b>	<b>98.01</b>	<b>93.52</b>
Stddev	2834.	.6	51.	.25	3.20	3.51
%RSD	.5425	.5684	.4893	.2570	3.269	3.751
#1	519700.	101.5	10370.	95.68	94.52	92.85
#2	525400.	101.7	10460.	95.49	100.8	90.39
#3	522100.	100.6	10440.	95.20	98.70	97.31

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 8/9/2012 11:24:15 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>94.12</b>	<b>93.51</b>	<b>97.73</b>	<b>93.59</b>	<b>98.15</b>	<b>93.91</b>
Stddev	9.28	3.98	.89	.56	.50	.73
%RSD	9.863	4.256	.9056	.5942	.5077	.7762
#1	99.82	94.68	98.60	92.98	98.20	93.75
#2	83.41	96.78	97.75	93.70	98.62	94.71
#3	99.13	89.08	96.83	94.08	97.63	93.28

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>97.40</b>	<b>102.0</b>	<b>96.90</b>	<b>38.79</b>
Stddev	1.31	.4	2.34	21.17
%RSD	1.347	.3677	2.418	54.59
#1	96.59	101.7	94.27	33.93
#2	98.92	102.4	97.67	20.46
#3	96.70	102.0	98.76	61.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2266.7</b>	<b>24080.</b>	<b>2335.4</b>
Stddev	8.4	145.	19.6
%RSD	.37022	.60119	.84135
#1	2275.4	24245.	2358.0
#2	2258.6	23975.	2325.5
#3	2266.2	24020.	2322.6

Sample Name: INT-10 1604494 Acquired: 8/9/2012 11:27:55 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-14.95</b>	<b>1.021</b>	<b>-8.495</b>	<b>.5849</b>	<b>-1.106</b>	<b>82.03</b>
Stddev	29.52	1.049	.751	.0595	.210	42.57
%RSD	197.5	102.8	8.837	10.17	19.01	51.89
#1	18.97	2.181	-8.954	.6530	-.8917	124.7
#2	-34.78	.1373	-7.629	.5587	-1.114	81.88
#3	-29.04	.7443	-8.903	.5430	-1.312	39.54

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.4871</b>	<b>10990.</b>	<b>10430.</b>	<b>-11.07</b>	<b>16.86</b>	<b>84.88</b>
Stddev	.1018	28.	17.	1.26	16.71	59.76
%RSD	20.89	.2591	.1648	11.41	99.09	70.41
#1	-.6043	10960.	10430.	-10.44	35.44	153.7
#2	-.4209	11020.	10450.	-10.24	12.09	55.35
#3	-.4362	11000.	10420.	-12.52	3.057	45.62

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>45.31</b>	<b>10610.</b>	<b>2.554</b>	<b>11070.</b>	<b>-5.930</b>	<b>5.360</b>
Stddev	24.65	51.	12.61	38.	1.410	4.710
%RSD	54.41	.4825	494.0	.3429	23.78	87.87
#1	73.45	10660.	15.82	11030.	-4.362	8.652
#2	34.94	10590.	-9.285	11100.	-6.333	-.0352
#3	27.53	10560.	1.123	11070.	-7.094	7.464

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: INT-10 1604494 Acquired: 8/9/2012 11:27:55 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0175</b>	<b>-5.170</b>	<b>4974.</b>	<b>-1.780</b>	<b>-6.142</b>	<b>5153.</b>
Stddev	.8277	1.049	11.	.105	.427	28.
%RSD	4736.	202.8	.2162	5.906	6.947	.5421
#1	.1275	.1197	4981.	-1.680	-5.872	5121.
#2	.7282	.0565	4980.	-1.769	-5.920	5172.
#3	-.9081	-1.727	4962.	-1.890	-6.634	5166.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>10700.</b>	<b>10070.</b>	<b>10030.</b>	<b>9895.</b>
Stddev	28.	27.	19.	116.
%RSD	.2596	.2643	.1870	1.172
#1	10670.	10090.	10050.	9788.
#2	10720.	10080.	10010.	9878.
#3	10700.	10040.	10030.	10020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2444.1</b>	<b>27402.</b>	<b>2416.2</b>
Stddev	8.1	102.	4.7
%RSD	.33168	.37210	.19382
#1	2453.2	27418.	2415.0
#2	2437.7	27293.	2412.2
#3	2441.5	27495.	2421.3

Sample Name: 460-43177-a-57-c du@ Acquired: 8/9/2012 11:31:40 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16550.</b>	<b>10.30</b>	<b>.2825</b>	<b>182.6</b>	<b>1.227</b>	<b>2077.</b>
Stddev	137.	.62	.4454	1.6	.124	24.
%RSD	.8272	6.022	157.7	.8932	10.06	1.177
#1	16500.	10.70	.3820	180.7	1.294	2058.
#2	16440.	9.583	.6699	183.4	1.085	2069.
#3	16700.	10.62	-.2042	183.6	1.303	2105.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0740</b>	<b>11.56</b>	<b>19.40</b>	<b>21.62</b>	<b>23410.</b>	<b>578.5</b>
Stddev	.1181	.13	.78	7.98	249.	66.0
%RSD	159.7	1.132	3.999	36.93	1.063	11.40
#1	-.0661	11.45	19.66	17.09	23120.	549.5
#2	.0400	11.53	20.02	16.93	23580.	654.0
#3	-.1958	11.70	18.53	30.84	23520.	532.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1589.</b>	<b>1020.</b>	<b>157.9</b>	<b>14.73</b>	<b>59.79</b>	<b>-1.673</b>
Stddev	16.	8.	9.7	.35	1.84	3.465
%RSD	1.022	.8071	6.126	2.393	3.083	207.1
#1	1572.	1010.	162.6	15.13	57.67	-1.672
#2	1604.	1023.	146.8	14.51	61.01	1.791
#3	1590.	1025.	164.3	14.54	60.70	-5.138

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43177-a-57-c du@ Acquired: 8/9/2012 11:31:40 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.032</b>	<b>-1.992</b>	<b>30.59</b>	<b>64.45</b>	<b>4.055</b>	<b>9.920</b>
Stddev	3.691	.963	.15	.51	.368	5.518
%RSD	181.7	48.35	.4788	.7915	9.082	55.63
#1	-4.962	-1.043	30.47	63.87	4.366	16.07
#2	2.114	-1.964	30.55	64.71	3.648	8.288
#3	-3.247	-2.968	30.75	64.78	4.150	5.402

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>3.810</b>	<b>23.72</b>	<b>154.0</b>	<b>275.2</b>
Stddev	1.227	.69	2.1	3.7
%RSD	32.21	2.920	1.378	1.335
#1	3.941	24.52	152.9	271.3
#2	2.523	23.32	152.6	278.5
#3	4.967	23.32	156.4	275.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2637.7</b>	<b>28592.</b>	<b>2533.7</b>
Stddev	5.7	171.	5.4
%RSD	.21474	.59801	.21239
#1	2635.9	28482.	2529.1
#2	2633.1	28505.	2532.5
#3	2644.0	28789.	2539.6

Sample Name: 460-43177-a-57-b@20 Acquired: 8/9/2012 11:35:20 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>18260.</b>	<b>13.86</b>	<b>-1.247</b>	<b>128.3</b>	<b>1.390</b>	<b>2277.</b>
Stddev	128.	1.27	.502	.6	.062	12.
%RSD	.6985	9.152	40.24	.4382	4.479	.5116
#1	18350.	12.72	-1.319	128.9	1.334	2270.
#2	18110.	15.23	.7133	128.1	1.457	2270.
#3	18300.	13.62	-1.709	127.9	1.380	2290.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1931</b>	<b>11.02</b>	<b>28.68</b>	<b>20.49</b>	<b>28330.</b>	<b>574.6</b>
Stddev	.2363	.09	.29	3.44	41.	23.8
%RSD	122.4	.8395	1.023	16.77	.1440	4.136
#1	-.4364	11.11	28.99	16.56	28370.	548.3
#2	-.1782	10.93	28.40	22.94	28290.	581.0
#3	.0355	11.02	28.64	21.97	28340.	594.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1618.</b>	<b>1091.</b>	<b>163.1</b>	<b>14.71</b>	<b>68.95</b>	<b>-1.321</b>
Stddev	3.	2.	14.5	.19	1.60	3.314
%RSD	.1778	.1978	8.910	1.258	2.314	250.9
#1	1621.	1091.	179.8	14.89	67.82	-3.878
#2	1615.	1089.	153.0	14.72	70.77	-2.507
#3	1618.	1093.	156.5	14.52	68.26	2.423

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43177-a-57-b@20 Acquired: 8/9/2012 11:35:20 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.259</b>	<b>-0.0146</b>	<b>37.82</b>	<b>65.19</b>	<b>4.004</b>	<b>2.680</b>
Stddev	2.088	2.839	.76	.39	.436	.547
%RSD	165.9	19500.	2.006	.5989	10.89	20.42
#1	1.706	1.694	36.94	65.33	4.132	3.114
#2	3.087	1.553	38.33	64.75	4.362	2.861
#3	-1.017	-3.291	38.18	65.48	3.518	2.065

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.794</b>	<b>27.04</b>	<b>230.6</b>	<b>284.3</b>
Stddev	1.034	.31	.5	19.5
%RSD	36.99	1.131	.2142	6.861
#1	1.610	27.16	230.0	276.0
#2	3.255	26.69	230.9	306.6
#3	3.517	27.26	230.8	270.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2646.5</b>	<b>28888.</b>	<b>2521.8</b>
Stddev	8.1	127.	6.4
%RSD	.30603	.43868	.25374
#1	2638.7	28758.	2524.1
#2	2654.9	29012.	2526.8
#3	2646.0	28895.	2514.6

Sample Name: sd 460-43177-a-57-b@ Acquired: 8/9/2012 11:38:59 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3666.</b>	<b>2.681</b>	<b>-.6719</b>	<b>25.56</b>	<b>.2203</b>	<b>453.8</b>
Stddev	6.	1.455	.7071	.12	.1158	12.1
%RSD	.1579	54.29	105.2	.4691	52.55	2.668
#1	3667.	1.633	-.1096	25.49	.2955	456.6
#2	3672.	2.066	-.4404	25.70	.0870	464.3
#3	3660.	4.343	-1.466	25.50	.2785	440.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0075</b>	<b>2.521</b>	<b>5.618</b>	<b>2.171</b>	<b>5724.</b>	<b>57.54</b>
Stddev	.1093	.271	.245	1.745	56.	18.46
%RSD	1460.	10.76	4.361	80.36	.9760	32.08
#1	-.1186	2.221	5.576	.9256	5701.	78.21
#2	.0684	2.593	5.882	1.423	5787.	51.70
#3	.0727	2.748	5.398	4.166	5682.	42.71

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>330.0</b>	<b>220.6</b>	<b>22.00</b>	<b>2.879</b>	<b>13.71</b>	<b>-.6162</b>
Stddev	3.1	1.8	20.78	.432	1.80	2.073
%RSD	.9360	.8143	94.47	15.02	13.12	336.5
#1	329.8	220.0	35.86	2.496	15.73	1.337
#2	333.2	222.6	32.03	3.348	12.28	-.3945
#3	327.1	219.1	-1.896	2.792	13.11	-2.791

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43177-a-57-b@ Acquired: 8/9/2012 11:38:59 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.047</b>	<b>.0575</b>	<b>7.093</b>	<b>13.16</b>	<b>1.695</b>	<b>.8864</b>
Stddev	1.571	1.817	.736	.14	.058	.2245
%RSD	51.56	3158.	10.38	1.055	3.407	25.33
#1	-1.235	1.125	6.395	13.02	1.653	.7244
#2	-4.023	-2.040	7.862	13.30	1.761	1.143
#3	-3.882	1.088	7.022	13.17	1.672	.7921

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.456</b>	<b>5.491</b>	<b>47.44</b>	<b>47.66</b>
Stddev	.215	.187	1.23	10.55
%RSD	14.77	3.397	2.599	22.14
#1	1.691	5.706	46.99	36.25
#2	1.404	5.402	48.83	57.06
#3	1.271	5.366	46.49	49.68

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2574.7</b>	<b>27871.</b>	<b>2434.3</b>
Stddev	7.3	170.	1.7
%RSD	.28425	.60880	.06997
#1	2570.5	28008.	2433.5
#2	2570.4	27681.	2433.1
#3	2583.2	27924.	2436.2

Sample Name: 460-43177-a-57-d ms@ Acquired: 8/9/2012 11:42:41 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21910.</b>	<b>184.9</b>	<b>4.597</b>	<b>330.2</b>	<b>6.013</b>	<b>4091.</b>
Stddev	59.	3.9	.881	.1	.071	28.
%RSD	.2695	2.086	19.17	.0354	1.174	.6894
#1	21870.	189.3	3.584	330.3	6.066	4080.
#2	21970.	183.6	5.019	330.3	5.933	4123.
#3	21880.	181.9	5.187	330.1	6.040	4071.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.647</b>	<b>58.70</b>	<b>40.66</b>	<b>47.44</b>	<b>23660.</b>	<b>2588.</b>
Stddev	.103	.18	1.26	3.18	220.	5.
%RSD	2.226	.3067	3.101	6.703	.9290	.1819
#1	4.530	58.90	39.60	47.56	23560.	2591.
#2	4.724	58.58	40.34	44.21	23910.	2582.
#3	4.689	58.60	42.06	50.57	23500.	2590.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3748.</b>	<b>1063.</b>	<b>2022.</b>	<b>65.15</b>	<b>115.5</b>	<b>23.08</b>
Stddev	37.	7.	7.	.37	.5	1.87
%RSD	.9904	.6315	.3546	.5630	.3977	8.115
#1	3730.	1061.	2022.	65.18	115.8	23.13
#2	3790.	1070.	2014.	64.77	115.0	24.92
#3	3723.	1057.	2029.	65.50	115.7	21.18

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43177-a-57-d ms@ Acquired: 8/9/2012 11:42:41 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>170.5</b>	<b>203.6</b>	<b>77.90</b>	<b>121.1</b>	<b>45.01</b>	<b>45.55</b>
Stddev	.7	3.5	.23	.6	.49	.35
%RSD	.3826	1.722	.2928	.5210	1.093	.7792
#1	171.3	199.8	77.75	121.8	44.70	45.54
#2	170.1	204.4	78.16	121.0	44.75	45.20
#3	170.3	206.7	77.78	120.5	45.58	45.91

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>47.83</b>	<b>69.35</b>	<b>218.6</b>	<b>348.0</b>
Stddev	.72	.52	.4	5.1
%RSD	1.499	.7567	.1888	1.461
#1	47.83	69.16	218.7	343.8
#2	48.54	69.94	218.9	353.6
#3	47.11	68.94	218.1	346.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2645.8</b>	<b>28568.</b>	<b>2533.9</b>
Stddev	5.5	158.	7.6
%RSD	.20658	.55321	.29810
#1	2644.7	28634.	2534.8
#2	2651.7	28388.	2526.0
#3	2640.9	28683.	2541.0

Sample Name: pds 460-43177-a-57-b Acquired: 8/9/2012 11:46:19 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>19910.</b>	<b>1829.</b>	<b>45.17</b>	<b>2037.</b>	<b>48.40</b>	<b>21740.</b>
Stddev	89.	6.	1.23	8.	.27	117.
%RSD	.4453	.3126	2.727	.3731	.5520	.5391
#1	19830.	1835.	43.93	2045.	48.19	21610.
#2	20010.	1826.	46.39	2035.	48.30	21790.
#3	19900.	1825.	45.18	2030.	48.70	21830.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47.60</b>	<b>487.2</b>	<b>220.5</b>	<b>253.1</b>	<b>29100.</b>	<b>19140.</b>
Stddev	.27	.9	1.0	6.6	13.	187.
%RSD	.5702	.1805	.4567	2.599	.0435	.9762
#1	47.90	488.3	221.6	249.0	29110.	18920.
#2	47.38	486.8	220.1	249.6	29110.	19220.
#3	47.51	486.7	219.7	260.7	29090.	19270.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20290.</b>	<b>1567.</b>	<b>18940.</b>	<b>497.3</b>	<b>552.6</b>	<b>452.2</b>
Stddev	47.	3.	82.	1.6	1.9	4.2
%RSD	.2339	.2175	.4309	.3179	.3392	.9321
#1	20320.	1563.	18850.	499.1	554.3	456.5
#2	20310.	1567.	19010.	496.3	550.6	451.8
#3	20230.	1570.	18960.	496.5	553.0	448.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43177-a-57-b Acquired: 8/9/2012 11:46:19 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1792.	1989.	501.2	539.0	464.6	468.1
Stddev	4.	5.	1.2	2.2	1.8	1.3
%RSD	.2442	.2512	.2448	.4006	.3968	.2697
#1	1797.	1994.	501.4	541.4	466.7	468.4
#2	1790.	1988.	502.2	538.1	463.3	469.2
#3	1789.	1984.	499.8	537.4	463.9	466.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	487.0	483.8	711.8	300.5
Stddev	2.9	2.4	.6	11.1
%RSD	.5955	.4889	.0793	3.682
#1	490.3	481.1	711.3	294.8
#2	485.8	485.4	711.7	313.3
#3	484.8	485.0	712.4	293.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2588.8	28050.	2507.0
Stddev	6.7	89.	12.2
%RSD	.25816	.31832	.48672
#1	2581.2	28064.	2519.6
#2	2593.6	27954.	2506.1
#3	2591.6	28131.	2495.2

Sample Name: 460-43177-a-60-b@10 Acquired: 8/9/2012 11:49:46 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>30320.</b>	<b>18.88</b>	<b>-.4319</b>	<b>290.7</b>	<b>2.793</b>	<b>9796.</b>
Stddev	243.	1.28	.7901	1.6	.107	74.
%RSD	.8010	6.759	182.9	.5570	3.817	.7532
#1	30100.	20.21	.3284	289.2	2.916	9722.
#2	30260.	17.67	-1.249	290.5	2.729	9797.
#3	30580.	18.76	-.3755	292.4	2.734	9869.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0215</b>	<b>20.03</b>	<b>38.71</b>	<b>36.50</b>	<b>39660.</b>	<b>1540.</b>
Stddev	.0523	.40	.60	5.32	405.	31.
%RSD	243.3	2.013	1.541	14.58	1.021	2.040
#1	.0790	20.47	38.19	30.45	39230.	1552.
#2	-.0233	19.68	38.58	38.60	39690.	1504.
#3	.0089	19.93	39.36	40.46	40040.	1563.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3544.</b>	<b>2285.</b>	<b>226.6</b>	<b>27.42</b>	<b>176.9</b>	<b>-.9813</b>
Stddev	29.	22.	10.7	.28	1.4	1.445
%RSD	.8174	.9443	4.707	1.004	.7935	147.2
#1	3513.	2263.	225.0	27.13	175.9	-1.851
#2	3548.	2285.	216.8	27.44	176.3	.6865
#3	3570.	2306.	238.0	27.68	178.5	-1.779

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43177-a-60-b@10 Acquired: 8/9/2012 11:49:46 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.263</b>	<b>-3.530</b>	<b>56.93</b>	<b>144.5</b>	<b>5.445</b>	<b>1.685</b>
Stddev	3.760	1.078	1.13	.9	.253	.348
%RSD	166.2	30.53	1.979	.6266	4.641	20.64
#1	5.927	-2.962	55.70	143.8	5.188	2.080
#2	-1.587	-2.855	57.91	144.2	5.693	1.546
#3	2.448	-4.773	57.18	145.5	5.455	1.428

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>13.27</b>	<b>70.31</b>	<b>191.7</b>	<b>325.8</b>
Stddev	.68	.74	2.3	1.3
%RSD	5.128	1.052	1.196	.4137
#1	13.05	69.49	189.7	327.1
#2	14.03	70.54	191.2	326.0
#3	12.72	70.91	194.2	324.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2778.4</b>	<b>30178.</b>	<b>2675.0</b>
Stddev	19.0	98.	9.8
%RSD	.68390	.32335	.36538
#1	2759.5	30074.	2664.0
#2	2778.0	30191.	2678.5
#3	2797.5	30268.	2682.5

Sample Name:	460-42934-a-34-a@10	Acquired:	8/9/2012 11:53:23	Type:	Unk	
Method:	SW8460080712(v2)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6740.</b>	<b>2050.</b>	<b>27.05</b>	<b>542.5</b>	<b>.3751</b>	<b>69850.</b>
Stddev	62.	18.	1.29	6.5	.0506	468.
%RSD	.9148	.8936	4.772	1.194	13.49	.6705
#1	6673.	2034.	25.56	537.0	.3533	69370.
#2	6754.	2047.	27.67	540.8	.3391	69870.
#3	6794.	2070.	27.91	549.6	.4330	70300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.653</b>	<b>26.36</b>	<b>72.51</b>	<b>570.0</b>	<b>171300.</b>	<b>1855.</b>
Stddev	.026	.14	1.11	6.3	2120.	40.
%RSD	.9874	.5489	1.533	1.104	1.237	2.157
#1	2.669	26.44	71.64	564.7	169200.	1872.
#2	2.667	26.19	72.13	568.4	171200.	1809.
#3	2.623	26.43	73.76	577.0	173500.	1884.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>29960.</b>	<b>937.6</b>	<b>1134.</b>	<b>71.18</b>	<b>9072.</b>	<b>248.0</b>
Stddev	370.	10.8	5.	.88	111.	2.1
%RSD	1.236	1.150	.4674	1.230	1.224	.8662
#1	29630.	927.6	1129.	70.18	8962.	245.7
#2	29900.	936.0	1139.	71.79	9070.	248.5
#3	30360.	949.0	1133.	71.58	9185.	249.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-42934-a-34-a@10 Acquired: 8/9/2012 11:53:23 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>35.98</b>	<b>50.33</b>	<b>77.65</b>	<b>1001.</b>	<b>24.62</b>	<b>9.086</b>
Stddev	.55	2.68	.57	11.	.62	.367
%RSD	1.520	5.318	.7380	1.117	2.508	4.036
#1	36.61	47.41	77.25	990.1	24.32	8.679
#2	35.73	50.90	77.39	1000.	25.33	9.186
#3	35.61	52.67	78.30	1012.	24.21	9.392

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>66.06</b>	<b>172.3</b>	<b>567.1</b>	<b>161.3</b>
Stddev	.77	1.3	5.3	6.3
%RSD	1.171	.7804	.9331	3.935
#1	65.68	171.0	561.0	157.7
#2	65.56	172.3	570.1	168.6
#3	66.95	173.7	570.2	157.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2478.9</b>	<b>26947.</b>	<b>2431.4</b>
Stddev	2.7	58.	13.1
%RSD	.10788	.21579	.53985
#1	2480.3	26978.	2417.2
#2	2480.5	26983.	2433.8
#3	2475.8	26880.	2443.1

Sample Name: CCV Acquired: 8/9/2012 11:56:59 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>125600.</b>	<b>2490.</b>	<b>1253.</b>	<b>10050.</b>	<b>998.3</b>	<b>127400.</b>
Stddev	181.	5.	8.	21.	3.4	409.
%RSD	.1440	.1911	.6223	.2133	.3364	.3206

#1	125500.	2495.	1262.	10070.	995.9	127000.
#2	125400.	2488.	1249.	10040.	996.9	127400.
#3	125800.	2486.	1248.	10040.	1002.	127900.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1256.</b>	<b>2520.</b>	<b>5082.</b>	<b>12490.</b>	<b>101700.</b>	<b>50080.</b>
Stddev	4.	4.	43.	42.	945.	151.
%RSD	.2984	.1517	.8510	.3379	.9289	.3023

#1	1260.	2524.	5131.	12450.	102800.	49990.
#2	1252.	2516.	5066.	12490.	101400.	50000.
#3	1255.	2521.	5049.	12540.	101000.	50260.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>126400.</b>	<b>5157.</b>	<b>125900.</b>	<b>2533.</b>	<b>7627.</b>	<b>998.1</b>
Stddev	1255.	34.	162.	3.	15.	5.1
%RSD	.9929	.6594	.1286	.1369	.1914	.5067

#1	127800.	5196.	125800.	2537.	7644.	995.2
#2	126000.	5134.	125900.	2530.	7617.	995.1
#3	125400.	5141.	126100.	2532.	7620.	1004.

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/9/2012 11:56:59 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2481.	2525.	2498.	2513.	994.0	2509.
Stddev	8.	9.	22.	5.	1.1	1.
%RSD	.3065	.3661	.8632	.1799	.1125	.0583

#1	2489.	2535.	2523.	2517.	995.2	2510.
#2	2474.	2518.	2491.	2508.	993.1	2507.
#3	2479.	2521.	2482.	2513.	993.6	2509.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1006.	5026.	10110.	9852.
Stddev	2.	13.	24.	30.
%RSD	.2296	.2606	.2339	.3084

#1	1008.	5017.	10110.	9886.
#2	1004.	5020.	10080.	9828.
#3	1006.	5041.	10130.	9842.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2300.3	25119.	2349.8
Stddev	2.7	115.	11.2
%RSD	.11544	.45812	.47614

#1	2297.4	24993.	2361.8
#2	2302.6	25146.	2348.0
#3	2300.8	25219.	2339.6

Sample Name: CCB Acquired: 8/9/2012 12:00:20 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>19.52</b>	<b>1.419</b>	<b>-.6168</b>	<b>.3874</b>	<b>.1099</b>	<b>11.22</b>
Stddev	18.74	1.175	.4924	.4146	.0883	4.06
%RSD	95.99	82.83	79.83	107.0	80.38	36.17
#1	41.15	2.121	-.4154	.8559	.2005	6.917
#2	9.506	.0622	-.2570	.2382	.0240	14.98
#3	7.921	2.073	-1.178	.0681	.1052	11.77

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1453</b>	<b>.1616</b>	<b>.4989</b>	<b>7.710</b>	<b>18.78</b>	<b>106.7</b>
Stddev	.0438	.2434	.5297	5.062	16.50	50.1
%RSD	30.12	150.6	106.2	65.65	87.89	47.01
#1	-.0972	.4427	1.111	7.503	35.59	48.81
#2	-.1559	.0188	.1969	2.754	18.14	133.9
#3	-.1828	.0234	.1893	12.87	2.602	137.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.978</b>	<b>.4746</b>	<b>11.39</b>	<b>.0245</b>	<b>-.7405</b>	<b>.4044</b>
Stddev	6.249	.3493	19.49	.2458	1.250	1.289
%RSD	62.63	73.60	171.1	1002.	168.8	318.6
#1	17.17	.8661	33.83	.1700	.6779	.8421
#2	5.928	.3624	1.523	-.2593	-1.681	1.417
#3	6.831	.1951	-1.194	.1629	-1.218	-1.046

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 12:00:20 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6130	-2.546	-.0081	.0717	1.989	2.429
Stddev	5.480	.659	.4522	.2095	.323	1.423
%RSD	893.9	25.89	5561.	292.4	16.22	58.57

#1	.5659	-2.805	.2804	.3111	2.246	4.028
#2	-4.843	-3.037	.2245	-.0183	1.627	1.957
#3	6.116	-1.797	-.5292	-.0779	2.096	1.302

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3482	.5168	3.183	1.814
Stddev	.2977	.5457	1.079	18.64
%RSD	85.50	105.6	33.90	1027.

#1	.5501	1.137	4.022	23.14
#2	.4882	.3007	3.561	-6.390
#3	.0063	.1122	1.966	-11.31

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2495.8	27293.	2370.5
Stddev	6.1	96.	11.0
%RSD	.24626	.35189	.46453
#1	2488.8	27404.	2379.8
#2	2498.7	27248.	2358.4
#3	2500.0	27228.	2373.4

Sample Name: mb 460-123214/1-a@2 Acquired: 8/9/2012 12:04:07 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.31</b>	<b>-1.493</b>	<b>-.4182</b>	<b>.0271</b>	<b>-.1562</b>	<b>17.84</b>
Stddev	11.93	1.801	.4357	.0514	.1071	5.63
%RSD	96.89	120.6	104.2	189.7	68.59	31.54
#1	-1.253	.5418	.0811	.0621	-.1395	22.64
#2	17.02	-2.881	-.6145	-.0319	-.2706	11.65
#3	21.17	-2.140	-.7211	.0511	-.0583	19.25

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0111</b>	<b>.2450</b>	<b>.2950</b>	<b>-.3132</b>	<b>19.70</b>	<b>79.24</b>
Stddev	.0186	.3914	.2384	2.907	8.65	64.62
%RSD	167.1	159.8	80.82	928.3	43.91	81.55
#1	-.0324	-.0890	.0201	-2.527	28.31	6.559
#2	-.0034	.6756	.4450	-1.392	11.01	101.0
#3	.0023	.1483	.4199	2.979	19.77	130.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.011</b>	<b>-.0111</b>	<b>1.724</b>	<b>.0500</b>	<b>-.6444</b>	<b>-.6417</b>
Stddev	3.316	.0434	10.88	.3842	.9177	1.501
%RSD	164.9	389.8	630.9	768.2	142.4	234.0
#1	1.835	.0384	5.313	.4335	-.3009	.3515
#2	5.412	-.0425	-10.49	.0514	-1.684	.0923
#3	-1.213	-.0293	10.35	-.3349	.0520	-2.369

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-123214/1-a@2 Acquired: 8/9/2012 12:04:07 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.305</b>	<b>-1.716</b>	<b>-.0145</b>	<b>.6290</b>	<b>5.380</b>	<b>1.084</b>
Stddev	3.338	.906	.3003	.1054	.219	.682
%RSD	144.8	52.81	2072.	16.75	4.073	62.93
#1	-1.460	-1.721	.0860	.5350	5.259	1.865
#2	4.898	-.8076	.2226	.6093	5.632	.6019
#3	3.478	-2.620	-.3521	.7429	5.247	.7859

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0895</b>	<b>.2801</b>	<b>2.658</b>	<b>14.80</b>
Stddev	.5913	.0592	1.652	15.70
%RSD	660.8	21.14	62.15	106.1
#1	.0769	.3482	2.607	32.24
#2	-.7461	.2402	4.334	10.33
#3	.4008	.2521	1.032	1.813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2429.8</b>	<b>26756.</b>	<b>2351.9</b>
Stddev	15.3	202.	7.9
%RSD	.63043	.75682	.33672
#1	2412.2	26522.	2349.7
#2	2437.8	26885.	2345.3
#3	2439.6	26859.	2360.7

Sample Name: lcssrm 460-123214/2- Acquired: 8/9/2012 12:07:52 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>27970.</b>	<b>783.8</b>	<b>199.0</b>	<b>973.1</b>	<b>531.4</b>	<b>34630.</b>
Stddev	55.	2.3	.3	1.9	2.6	137.
%RSD	.1983	.2914	.1352	.1971	.4918	.3949
#1	27930.	785.0	198.7	972.9	528.6	34480.
#2	28030.	785.3	199.2	975.2	533.7	34710.
#3	27960.	781.2	199.2	971.4	532.1	34720.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>516.8</b>	<b>678.1</b>	<b>587.8</b>	<b>583.1</b>	<b>55790.</b>	<b>12640.</b>
Stddev	.6	2.2	.6	4.3	216.	35.
%RSD	.1103	.3212	.1073	.7458	.3866	.2766
#1	516.4	677.1	587.1	583.2	55540.	12620.
#2	517.5	680.6	588.2	578.7	55890.	12630.
#3	516.7	676.5	588.2	587.4	55940.	12680.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11350.</b>	<b>1742.</b>	<b>1531.</b>	<b>365.1</b>	<b>384.9</b>	<b>1022.</b>
Stddev	17.	9.	15.	1.3	.5	2.
%RSD	.1457	.4959	1.007	.3503	.1300	.1499
#1	11340.	1732.	1545.	365.2	384.6	1021.
#2	11360.	1745.	1533.	366.3	385.5	1024.
#3	11370.	1749.	1514.	363.7	384.6	1023.

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: lcssrm 460-123214/2- Acquired: 8/9/2012 12:07:52 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	595.4	1090.	410.8	1352.	402.3	342.4
Stddev	4.7	3.	1.2	3.	2.4	.4
%RSD	.7945	.2395	.2924	.2400	.6023	.1225
#1	595.1	1088.	409.5	1351.	401.2	342.2
#2	600.2	1089.	411.7	1356.	405.1	342.9
#3	590.7	1093.	411.4	1351.	400.6	342.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	688.1	642.5	796.7	F 1868.
Stddev	1.9	3.7	6.5	45.
%RSD	.2803	.5802	.8139	2.386
#1	686.1	638.5	790.8	1919.
#2	690.0	646.0	803.7	1840.
#3	688.3	642.9	795.6	1844.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2578.8	28070.	2499.9
Stddev	2.7	166.	17.4
%RSD	.10502	.59022	.69584
#1	2581.7	28258.	2520.0
#2	2576.4	27947.	2489.6
#3	2578.1	28004.	2490.1

Sample Name: 460-43211-a-1-g du@4 Acquired: 8/9/2012 12:11:16 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>38440.</b>	<b>6.138</b>	<b>-.3962</b>	<b>129.0</b>	<b>1.955</b>	<b>1190.</b>
Stddev	44.	1.822	1.030	.4	.056	14.
%RSD	.1135	29.69	260.0	.3154	2.866	1.175
#1	38390.	8.071	.7314	128.6	2.012	1174.
#2	38480.	5.892	-.6326	129.4	1.955	1198.
#3	38450.	4.451	-1.287	128.9	1.900	1198.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2617</b>	<b>18.52</b>	<b>35.62</b>	<b>8.808</b>	<b>54570.</b>	<b>767.8</b>
Stddev	.0829	.33	.82	3.103	49.	30.0
%RSD	31.67	1.805	2.303	35.23	.0901	3.905
#1	-.2538	18.91	35.18	5.243	54580.	733.4
#2	-.3483	18.31	36.57	10.28	54510.	788.5
#3	-.1831	18.34	35.12	10.90	54600.	781.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1342.</b>	<b>1109.</b>	<b>-.16.94</b>	<b>19.34</b>	<b>22.82</b>	<b>1.627</b>
Stddev	3.	1.	13.63	.54	.52	2.519
%RSD	.2402	.0734	80.47	2.775	2.296	154.8
#1	1339.	1109.	-14.60	19.74	23.14	4.025
#2	1342.	1108.	-4.636	19.54	22.22	1.854
#3	1345.	1109.	-31.60	18.73	23.11	-.9982

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43211-a-1-g du@4 Acquired: 8/9/2012 12:11:16 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.464</b>	<b>-2.644</b>	<b>66.75</b>	<b>49.32</b>	<b>4.820</b>	<b>.3265</b>
Stddev	2.598	2.776	.22	.07	.864	.3401
%RSD	105.4	105.0	.3227	.1414	17.93	104.1
#1	-4.901	.0641	66.50	49.40	3.823	.6964
#2	.2705	-2.514	66.86	49.29	5.344	.0275
#3	-2.763	-5.484	66.89	49.28	5.294	.2557

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.544</b>	<b>18.69</b>	<b>768.1</b>	<b>1728.</b>
Stddev	.358	.15	3.0	5.
%RSD	23.16	.7903	.3918	.3100
#1	1.135	18.85	768.5	1722.
#2	1.697	18.63	770.9	1729.
#3	1.799	18.58	764.9	1732.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2597.1</b>	<b>28218.</b>	<b>2496.1</b>
Stddev	4.9	142.	2.2
%RSD	.18985	.50250	.08967
#1	2601.8	28067.	2497.0
#2	2597.5	28240.	2497.7
#3	2591.9	28348.	2493.5

Sample Name: 460-43211-a-1-f@4 Acquired: 8/9/2012 12:14:55 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>34690.</b>	<b>9.417</b>	<b>-.6380</b>	<b>120.6</b>	<b>1.902</b>	<b>1139.</b>
Stddev	11.	2.359	1.142	.4	.068	11.
%RSD	.0303	25.05	179.1	.3307	3.565	.9246
#1	34690.	7.574	.6671	121.0	1.862	1143.
#2	34680.	12.08	-1.456	120.6	1.980	1146.
#3	34700.	8.601	-1.125	120.2	1.864	1127.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1734</b>	<b>18.26</b>	<b>32.63</b>	<b>5.931</b>	<b>49320.</b>	<b>714.7</b>
Stddev	.1397	.09	.51	2.707	185.	17.0
%RSD	80.54	.5112	1.571	45.65	.3755	2.373
#1	-.0147	18.15	33.19	4.659	49470.	707.9
#2	-.2278	18.30	32.19	4.093	49380.	734.0
#3	-.2777	18.31	32.50	9.039	49110.	702.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1230.</b>	<b>987.5</b>	<b>-10.40</b>	<b>18.17</b>	<b>23.84</b>	<b>.2124</b>
Stddev	5.	5.7	7.60	.31	.70	2.341
%RSD	.4426	.5768	73.11	1.715	2.936	1102.
#1	1234.	991.9	-5.602	17.82	23.05	2.150
#2	1233.	989.6	-6.433	18.26	24.08	.8759
#3	1224.	981.1	-19.17	18.42	24.39	-2.388

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43211-a-1-f@4 Acquired: 8/9/2012 12:14:55 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.401</b>	<b>-1.276</b>	<b>60.27</b>	<b>44.78</b>	<b>3.805</b>	<b>.1393</b>
Stddev	6.141	.600	.39	.27	.700	.1704
%RSD	255.8	47.07	.6443	.6003	18.41	122.3
#1	-9.146	-1.106	60.65	45.00	4.544	.3302
#2	2.868	-1.942	59.87	44.86	3.720	.0023
#3	-.9261	-.7780	60.28	44.48	3.151	.0855

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.477</b>	<b>17.04</b>	<b>665.9</b>	<b>1610.</b>
Stddev	.082	.03	.9	18.
%RSD	5.562	.2023	.1416	1.131
#1	1.568	17.01	666.5	1610.
#2	1.408	17.08	666.3	1629.
#3	1.455	17.04	664.8	1592.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2599.5</b>	<b>28202.</b>	<b>2501.4</b>
Stddev	4.6	186.	7.5
%RSD	.17820	.65912	.30031
#1	2594.3	28031.	2499.7
#2	2601.4	28176.	2494.8
#3	2603.0	28400.	2509.6

Sample Name:	sd 460-43211-a-1-f@2	Acquired:	8/9/2012 12:18:35	Type:	Unk	
Method:	SW8460080712(v2)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6964.</b>	<b>1.328</b>	<b>-.3486</b>	<b>24.22</b>	<b>.3443</b>	<b>219.4</b>
Stddev	13.	2.830	.6527	.09	.1823	10.6
%RSD	.1860	213.1	187.2	.3691	52.95	4.817
#1	6949.	-1.192	-1.045	24.18	.1390	208.7
#2	6971.	4.390	.2497	24.33	.4872	219.8
#3	6972.	.7863	-.2507	24.16	.4068	229.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0108</b>	<b>3.899</b>	<b>6.806</b>	<b>3.559</b>	<b>9983.</b>	<b>146.7</b>
Stddev	.1879	.341	.428	5.538	93.	43.9
%RSD	1733.	8.733	6.282	155.6	.9360	29.89
#1	.1899	<b>4.277</b>	<b>6.817</b>	<b>-1.323</b>	<b>9945.</b>	<b>142.3</b>
#2	-.1824	3.616	6.373	9.576	10090.	192.6
#3	-.0400	3.805	7.228	2.425	9914.	105.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>253.6</b>	<b>199.2</b>	<b>-.10.85</b>	<b>3.737</b>	<b>4.310</b>	<b>-1.146</b>
Stddev	1.9	1.2	20.02	.324	1.993	1.338
%RSD	.7613	.6093	184.6	8.672	46.24	116.8
#1	255.5	198.4	-4.305	3.364	4.587	-1.191
#2	253.7	200.6	5.092	3.956	2.193	.2141
#3	251.6	198.5	-33.32	3.889	6.150	-2.460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: sd 460-43211-a-1-f@2 Acquired: 8/9/2012 12:18:35 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5974</b>	<b>-9510</b>	<b>11.54</b>	<b>9.526</b>	<b>2.125</b>	<b>-0210</b>
Stddev	3.907	1.195	.41	.378	.602	.1683
%RSD	654.0	125.6	3.556	3.967	28.31	802.5
#1	-.5261	-.4555	11.33	9.506	2.454	-.0592
#2	-4.540	-.0840	12.01	9.913	2.490	.1631
#3	3.273	-2.314	11.28	9.158	1.431	-.1668

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.149</b>	<b>3.455</b>	<b>133.1</b>	<b>329.1</b>
Stddev	.413	.256	1.5	5.8
%RSD	35.93	7.418	1.148	1.768
#1	.7911	3.721	131.3	326.3
#2	1.055	3.209	134.1	335.8
#3	1.600	3.433	133.8	325.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2571.4</b>	<b>27964.</b>	<b>2463.4</b>
Stddev	6.4	221.	5.3
%RSD	.24925	.79055	.21434
#1	2578.6	28097.	2467.2
#2	2568.9	27709.	2457.4
#3	2566.5	28087.	2465.6

Sample Name: 460-43211-a-1-h ms@4 Acquired: 8/9/2012 12:22:18 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>61180.</b>	<b>933.3</b>	<b>22.79</b>	<b>1146.</b>	<b>26.81</b>	<b>11620.</b>
Stddev	220.	8.2	.48	5.	.19	16.
%RSD	.3600	.8746	2.113	.4714	.7180	.1403
#1	61430.	939.0	22.75	1152.	27.03	11630.
#2	61090.	924.0	22.32	1143.	26.71	11600.
#3	61020.	937.1	23.28	1142.	26.69	11620.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>24.41</b>	<b>268.6</b>	<b>144.1</b>	<b>133.4</b>	<b>57110.</b>	<b>10550.</b>
Stddev	.04	1.5	.7	4.7	323.	38.
%RSD	.1814	.5714	.4920	3.536	.5661	.3609
#1	24.40	270.3	144.9	137.9	57470.	10510.
#2	24.37	267.9	143.6	133.8	57020.	10590.
#3	24.46	267.5	143.7	128.5	56840.	10560.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11180.</b>	<b>1536.</b>	<b>9967.</b>	<b>277.3</b>	<b>273.2</b>	<b>174.7</b>
Stddev	65.	10.	21.	.7	3.6	2.6
%RSD	.5783	.6432	.2121	.2607	1.311	1.469
#1	11250.	1547.	9984.	277.8	270.1	174.3
#2	11170.	1534.	9974.	277.7	277.1	172.4
#3	11120.	1527.	9943.	276.5	272.4	177.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43211-a-1-h ms@4 Acquired: 8/9/2012 12:22:18 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>917.1</b>	<b>1037.</b>	<b>312.8</b>	<b>300.9</b>	<b>236.8</b>	<b>238.2</b>
Stddev	4.7	4.	1.9	1.8	1.2	.7
%RSD	.5119	.3529	.5948	.5852	.4863	.2920
#1	921.9	1041.	314.6	302.9	237.9	238.7
#2	912.6	1037.	312.8	300.0	235.6	238.5
#3	916.7	1033.	310.9	299.7	236.9	237.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>246.4</b>	<b>264.9</b>	<b>1050.</b>	<b>2794.</b>
Stddev	1.2	.9	2.	25.
%RSD	.4718	.3537	.2074	.9001
#1	246.8	265.8	1051.	2779.
#2	247.2	264.9	1051.	2780.
#3	245.0	264.0	1047.	2823.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2551.1</b>	<b>27567.</b>	<b>2462.3</b>
Stddev	10.0	85.	18.6
%RSD	.39176	.30963	.75611
#1	2540.2	27469.	2441.3
#2	2553.4	27624.	2469.0
#3	2559.7	27608.	2476.7

Sample Name: pds 460-43211-a-1-f@ Acquired: 8/9/2012 12:25:47 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36340.</b>	<b>1853.</b>	<b>45.12</b>	<b>2065.</b>	<b>49.89</b>	<b>21040.</b>
Stddev	248.	4.	.38	10.	.38	157.
%RSD	.6832	.1905	.8326	.4950	.7652	.7460
#1	36460.	1856.	44.73	2077.	50.10	21130.
#2	36500.	1849.	45.14	2063.	50.11	21130.
#3	36050.	1852.	45.48	2057.	49.45	20860.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>48.70</b>	<b>507.9</b>	<b>229.8</b>	<b>248.9</b>	<b>49690.</b>	<b>19660.</b>
Stddev	.27	3.6	.6	8.4	57.	119.
%RSD	.5530	.7037	.2424	3.374	.1151	.6056
#1	49.01	511.9	229.1	239.5	49710.	19710.
#2	48.52	506.6	230.1	255.7	49730.	19750.
#3	48.57	505.0	230.1	251.5	49620.	19530.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20080.</b>	<b>1476.</b>	<b>19280.</b>	<b>514.2</b>	<b>520.5</b>	<b>453.3</b>
Stddev	13.	6.	123.	2.2	2.4	1.2
%RSD	.0632	.3946	.6377	.4257	.4600	.2628
#1	20070.	1476.	19360.	516.4	522.9	454.2
#2	20090.	1482.	19340.	512.0	520.5	451.9
#3	20090.	1470.	19140.	514.4	518.1	453.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43211-a-1-f@ Acquired: 8/9/2012 12:25:47 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1830.</b>	<b>2028.</b>	<b>536.1</b>	<b>528.5</b>	<b>510.2</b>	<b>475.7</b>
Stddev	8.	11.	1.1	3.1	3.2	2.0
%RSD	.4124	.5602	.2126	.5904	.6368	.4276
#1	1837.	2039.	535.2	532.1	513.6	478.1
#2	1822.	2017.	537.4	526.2	507.1	474.3
#3	1832.	2027.	535.7	527.4	510.0	474.9

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>487.5</b>	<b>488.3</b>	<b>1153.</b>	<b>1954.</b>
Stddev	3.1	3.4	6.	9.
%RSD	.6398	.6865	.4851	.4558
#1	490.8	490.0	1154.	1952.
#2	486.9	490.5	1158.	1963.
#3	484.6	484.4	1147.	1946.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2534.8</b>	<b>27596.</b>	<b>2464.4</b>
Stddev	10.2	31.	14.2
%RSD	.40191	.11391	.57435
#1	2523.7	27632.	2456.4
#2	2536.9	27581.	2456.0
#3	2543.8	27574.	2480.7

Sample Name:	460-43226-f-1-a@4	Acquired:	8/9/2012 12:29:13	Type:	Unk	
Method:	SW8460080712(v2)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5131.</b>	<b>23.86</b>	<b>-.5605</b>	<b>26.72</b>	<b>.1307</b>	<b>359.5</b>
Stddev	40.	3.00	.3333	.29	.1738	14.9
%RSD	.7734	12.58	59.46	1.077	133.0	4.154
#1	5139.	26.87	-.4155	27.04	.3288	374.2
#2	5166.	20.87	-.9418	26.65	.0035	360.1
#3	5088.	23.84	-.3243	26.48	.0598	344.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0871</b>	<b>.6410</b>	<b>9.139</b>	<b>8.292</b>	<b>17030.</b>	<b>340.9</b>
Stddev	.0798	.5156	.529	3.761	208.	51.0
%RSD	91.54	80.45	5.785	45.36	1.219	14.97
#1	-.1306	.7362	9.636	12.05	17270.	362.8
#2	.0049	1.102	8.584	8.302	16950.	282.5
#3	-.1357	.0844	9.198	4.526	16880.	377.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>257.0</b>	<b>14.36</b>	<b>38.25</b>	<b>2.717</b>	<b>16.60</b>	<b>2.775</b>
Stddev	5.0	.33	15.52	.551	1.56	1.649
%RSD	1.961	2.297	40.58	20.30	9.413	59.42
#1	262.2	14.72	24.15	3.312	16.25	4.676
#2	256.6	14.28	35.71	2.613	18.30	1.915
#3	252.2	14.08	54.88	2.224	15.24	1.734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43226-f-1-a@4 Acquired: 8/9/2012 12:29:13 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.499</b>	<b>1.979</b>	<b>8.714</b>	<b>15.43</b>	<b>6.232</b>	<b>1.887</b>
Stddev	1.583	2.978	.411	.06	.033	.177
%RSD	35.19	150.5	4.717	.4167	.5207	9.373
#1	3.038	1.283	8.919	15.37	6.214	2.091
#2	6.181	5.243	8.982	15.49	6.213	1.789
#3	4.279	-.5899	8.241	15.45	6.270	1.781

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.830</b>	<b>14.32</b>	<b>146.8</b>	<b>978.9</b>
Stddev	1.128	.25	1.6	21.9
%RSD	61.63	1.722	1.068	2.239
#1	3.127	14.52	148.6	989.7
#2	1.290	14.41	146.1	953.7
#3	1.074	14.04	145.7	993.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2537.8</b>	<b>27785.</b>	<b>2441.7</b>
Stddev	2.9	155.	3.9
%RSD	.11314	.55847	.15823
#1	2537.5	27643.	2437.5
#2	2540.8	27761.	2442.6
#3	2535.1	27950.	2445.0

Sample Name: 460-43173-e-2-c@4 Acquired: 8/9/2012 12:32:57 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>57240.</b>	<b>30.59</b>	<b>-1.352</b>	<b>148.8</b>	<b>2.365</b>	<b>11420.</b>
Stddev	467.	1.64	.342	.7	.111	46.
%RSD	.8161	5.372	25.31	.4575	4.699	.3989
#1	57200.	32.36	-1.747	149.5	2.372	11410.
#2	57720.	29.11	-1.146	148.6	2.473	11470.
#3	56790.	30.30	-1.163	148.2	2.251	11380.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1013</b>	<b>29.46</b>	<b>165.8</b>	<b>43.24</b>	<b>97210.</b>	<b>13410.</b>
Stddev	.1408	.13	1.4	2.52	222.	55.
%RSD	139.0	.4324	.8615	5.827	.2287	.4073
#1	.2285	29.58	166.0	41.39	97300.	13400.
#2	.1255	29.33	167.0	46.11	97380.	13470.
#3	-.0500	29.46	164.2	42.22	96960.	13360.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>26610.</b>	<b>996.2</b>	<b>2696.</b>	<b>89.50</b>	<b>42.31</b>	<b>-.7200</b>
Stddev	36.	3.3	31.	.58	1.73	.6320
%RSD	.1361	.3306	1.138	.6433	4.089	87.78
#1	26610.	999.1	2701.	90.16	43.57	-1.337
#2	26650.	996.9	2724.	89.12	40.34	-.0736
#3	26570.	992.7	2663.	89.21	43.02	-.7499

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43173-e-2-c@4 Acquired: 8/9/2012 12:32:57 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2734	-2.268	164.0	213.3	76.73	15.02
Stddev	2.995	1.681	.8	1.7	.85	.15
%RSD	1095.	74.11	.4627	.8075	1.108	1.016
#1	.5840	-4.075	164.9	215.3	77.41	15.18
#2	3.101	-.7499	163.6	212.0	77.00	15.00
#3	-2.865	-1.980	163.5	212.7	75.78	14.87

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.121	108.3	2828.	1746.
Stddev	.535	.8	21.	28.
%RSD	47.79	.7273	.7326	1.588
#1	1.628	108.3	2836.	1747.
#2	1.174	109.1	2843.	1773.
#3	.5606	107.6	2804.	1718.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2579.7	28116.	2504.3
Stddev	10.5	15.	8.7
%RSD	.40533	.05323	.34684
#1	2567.7	28118.	2496.0
#2	2584.1	28130.	2503.4
#3	2587.2	28101.	2513.3

Sample Name: 460-43173-e-4-c@4 Acquired: 8/9/2012 12:36:34 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4533.	43.62	-5590	216.5	.4126	4203.
Stddev	7.	4.22	.4195	1.3	.1473	20.
%RSD	.1448	9.672	75.05	.5892	35.71	.4734
#1	4533.	38.82	-7015	217.3	.4646	4211.
#2	4527.	46.76	-8888	217.2	.5269	4180.
#3	4540.	45.27	-0868	215.1	.2463	4217.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1515	6.260	42.15	192.8	58560.	858.3
Stddev	.0874	.143	.75	6.0	349.	35.3
%RSD	57.70	2.283	1.786	3.137	.5955	4.116
#1	.1437	6.204	42.72	199.3	58950.	889.3
#2	.0682	6.422	42.43	191.9	58300.	865.7
#3	.2425	6.153	41.30	187.3	58410.	819.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1054.	192.8	205.3	22.92	1008.	11.01
Stddev	8.	1.6	11.5	.13	5.	3.42
%RSD	.7151	.8186	5.585	.5635	.4672	31.05
#1	1062.	194.6	203.7	23.04	1013.	14.68
#2	1050.	191.8	217.5	22.94	1009.	10.42
#3	1049.	191.9	194.8	22.78	1003.	7.922

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43173-e-4-c@4 Acquired: 8/9/2012 12:36:34 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10.56</b>	<b>-5.656</b>	<b>58.54</b>	<b>111.9</b>	<b>15.39</b>	<b>5.377</b>
Stddev	3.00	1.714	.48	.5	.91	.166
%RSD	28.36	303.1	.8256	.4900	5.882	3.093
#1	7.895	.0705	58.76	112.1	16.39	5.545
#2	9.990	.7397	57.98	112.2	15.15	5.375
#3	13.80	-2.507	58.87	111.2	14.62	5.212

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>52.50</b>	<b>43.88</b>	<b>2103.</b>	<b>1359.</b>
Stddev	1.42	.21	6.	38.
%RSD	2.700	.4820	.3026	2.760
#1	53.28	44.12	2102.	1394.
#2	50.86	43.75	2097.	1364.
#3	53.34	43.76	2110.	1319.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2545.7</b>	<b>27981.</b>	<b>2468.5</b>
Stddev	12.8	184.	20.5
%RSD	.50128	.65861	.83244
#1	2531.0	27791.	2445.5
#2	2552.9	27995.	2485.1
#3	2553.2	28159.	2474.9

Sample Name: CCV Acquired: 8/9/2012 12:40:14 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>125800.</b>	<b>2504.</b>	<b>1251.</b>	<b>10080.</b>	<b>996.8</b>	<b>127100.</b>
Stddev	483.	20.	2.	73.	5.3	806.
%RSD	.3837	.8099	.1581	.7234	.5339	.6337

#1	125300.	2528.	1252.	10170.	990.7	126200.
#2	126200.	2491.	1249.	10050.	1000.	127700.
#3	125900.	2494.	1252.	10030.	999.4	127600.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1264.</b>	<b>2531.</b>	<b>5091.</b>	<b>12500.</b>	<b>101700.</b>	<b>50070.</b>
Stddev	9.	19.	10.	93.	94.	348.
%RSD	.7201	.7582	.1889	.7469	.0929	.6951

#1	1275.	2553.	5102.	12390.	101800.	49670.
#2	1260.	2523.	5085.	12570.	101600.	50280.
#3	1257.	2517.	5086.	12530.	101600.	50260.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>126900.</b>	<b>5135.</b>	<b>126100.</b>	<b>2545.</b>	<b>7673.</b>	<b>1004.</b>
Stddev	205.	2.	387.	19.	58.	8.
%RSD	.1618	.0448	.3068	.7471	.7518	.8269

#1	127100.	5132.	125700.	2566.	7739.	1013.
#2	126800.	5137.	126500.	2537.	7651.	997.1
#3	126700.	5135.	126200.	2530.	7630.	1002.

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/9/2012 12:40:14 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2501.	2541.	2493.	2528.	995.9	2517.
Stddev	17.	20.	3.	18.	5.8	18.
%RSD	.6671	.7674	.1316	.7115	.5839	.7017

#1	2520.	2563.	2495.	2548.	1002.	2537.
#2	2495.	2535.	2489.	2521.	994.1	2509.
#3	2489.	2526.	2495.	2514.	991.2	2505.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1010.	5033.	10150.	9881.
Stddev	9.	27.	51.	33.
%RSD	.9379	.5314	.5030	.3304

#1	1021.	5002.	10100.	9898.
#2	1008.	5051.	10210.	9903.
#3	1002.	5045.	10150.	9844.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2319.1	25348.	2364.4
Stddev	14.0	56.	8.2
%RSD	.60214	.22245	.34563

#1	2303.1	25406.	2373.7
#2	2325.7	25345.	2360.7
#3	2328.7	25294.	2358.7

Sample Name: CCB Acquired: 8/9/2012 12:43:34 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.81	-1.028	-0.181	.5035	.1350	5.635
Stddev	15.49	.189	.9262	.7197	.2101	18.16
%RSD	143.4	18.37	5122.	142.9	155.6	322.2
#1	28.45	-.8255	.3033	1.323	.3706	19.18
#2	-.5737	-1.058	.7047	.2144	-.0332	12.72
#3	4.545	-1.199	-1.062	-.0268	.0677	-15.00

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0539	.4519	.6356	6.075	14.28	56.01
Stddev	.0831	.1939	.5431	3.229	5.96	29.06
%RSD	154.2	42.90	85.45	53.16	41.73	51.89
#1	.1423	.6601	.8664	9.157	21.07	88.38
#2	.0423	.4189	.0152	2.716	11.82	32.15
#3	-.0228	.2766	1.025	6.353	9.940	47.51

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.88	.5787	27.41	-.1888	1.577	.8463
Stddev	14.79	.5100	51.49	.5277	.281	1.031
%RSD	99.36	88.13	187.8	279.4	17.81	121.9
#1	31.70	1.132	82.62	.0487	1.551	.3350
#2	3.937	.4773	18.91	.1783	1.870	.1706
#3	9.006	.1270	-19.30	-.7936	1.310	2.033

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 12:43:34 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.459</b>	<b>.4212</b>	<b>-.7356</b>	<b>.0902</b>	<b>2.117</b>	<b>2.262</b>
Stddev	1.716	1.061	.4457	.0322	.500	1.159
%RSD	49.60	252.0	60.59	35.73	23.61	51.23

#1	-4.401	1.553	-1.061	.1271	2.495	3.573
#2	-1.479	.2623	-.2277	.0675	2.305	1.841
#3	-4.499	-.5517	-.9178	.0759	1.550	1.373

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.0723</b>	<b>.6964</b>	<b>3.243</b>	<b>-9.260</b>
Stddev	.4496	.6176	2.006	13.30
%RSD	622.2	88.68	61.85	143.6

#1	.4899	1.349	5.478	-14.54
#2	-.4037	.6187	1.596	5.869
#3	.1306	.1214	2.656	-19.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2536.1</b>	<b>27646.</b>	<b>2412.5</b>
Stddev	2.1	53.	20.8
%RSD	.08315	.19250	.86376

#1	2534.0	27587.	2412.9
#2	2538.2	27692.	2391.5
#3	2536.3	27659.	2433.2

Sample Name: 460-43173-e-5-c@4 Acquired: 8/9/2012 12:47:21 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14310.</b>	<b>5.710</b>	<b>-.2967</b>	<b>13.45</b>	<b>-.0591</b>	<b>499.7</b>
Stddev	36.	2.281	.6941	.06	.1302	16.4
%RSD	.2523	39.95	233.9	.4713	220.3	3.291
#1	14310.	6.224	-.9301	13.48	-.1989	516.5
#2	14350.	3.216	.4452	13.48	-.0371	498.9
#3	14280.	7.690	-.4053	13.37	.0587	483.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.115</b>	<b>2.695</b>	<b>22.95</b>	<b>93.01</b>	<b>5107.</b>	<b>431.8</b>
Stddev	.077	.145	.38	3.97	7.	20.4
%RSD	2.480	5.394	1.662	4.270	.1314	4.722
#1	3.088	2.531	23.39	97.07	5102.	410.1
#2	3.202	2.748	22.77	92.82	5115.	450.6
#3	3.055	2.807	22.69	89.13	5105.	434.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>420.9</b>	<b>14.36</b>	<b>66.64</b>	<b>9.929</b>	<b>11.70</b>	<b>.8405</b>
Stddev	8.5	.10	11.21	.591	1.21	.8969
%RSD	2.017	.6925	16.81	5.954	10.32	106.7
#1	417.3	14.48	63.29	9.772	11.30	-.1911
#2	414.8	14.28	79.15	10.58	13.06	1.435
#3	430.5	14.33	57.50	9.432	10.74	1.278

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43173-e-5-c@4 Acquired: 8/9/2012 12:47:21 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8295	-1.038	12.77	213.1	5.374	1.020
Stddev	2.849	.745	.31	.7	.408	.609
%RSD	343.5	71.77	2.456	.3315	7.591	59.76
#1	3.721	-2418	12.42	213.7	5.702	1.475
#2	.7428	-1.718	13.02	213.1	4.917	1.257
#3	-1.975	-1.153	12.88	212.3	5.502	.3274

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.382	6.493	176.3	1704.
Stddev	.710	.077	2.2	27.
%RSD	51.41	1.186	1.251	1.601
#1	1.456	6.576	176.3	1714.
#2	2.052	6.423	174.1	1725.
#3	.6373	6.481	178.6	1673.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2556.0	27849.	2445.1
Stddev	2.7	77.	14.0
%RSD	.10368	.27668	.57431
#1	2555.9	27766.	2429.3
#2	2558.7	27917.	2449.9
#3	2553.4	27866.	2456.2

Sample Name: 460-43173-e-6-c@4 Acquired: 8/9/2012 12:51:04 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5490.</b>	<b>3.345</b>	<b>-.2869</b>	<b>8.013</b>	<b>.1083</b>	<b>427.9</b>
Stddev	27.	.684	.5650	.196	.1065	4.2
%RSD	.4881	20.44	197.0	2.441	98.38	.9789
#1	5484.	2.921	.1943	7.939	-.0131	430.9
#2	5519.	4.134	-.1458	8.234	.1862	429.6
#3	5466.	2.980	-.9091	7.864	.1517	423.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0055</b>	<b>6.249</b>	<b>10.62</b>	<b>7.794</b>	<b>3038.</b>	<b>299.6</b>
Stddev	.0714	.072	.50	1.909	26.	61.5
%RSD	1296.	1.155	4.727	24.50	.8420	20.52
#1	.0096	6.170	11.08	9.685	3066.	315.3
#2	.0748	6.311	10.09	5.867	3032.	351.6
#3	-.0678	6.267	10.69	7.830	3016.	231.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>337.3</b>	<b>11.88</b>	<b>49.48</b>	<b>13.99</b>	<b>7.748</b>	<b>2.821</b>
Stddev	4.2	.13	3.87	.21	.449	1.064
%RSD	1.247	1.117	7.820	1.496	5.797	37.71
#1	334.2	11.98	51.31	14.18	7.297	1.811
#2	335.6	11.93	52.09	13.77	7.751	3.932
#3	342.1	11.73	45.03	14.01	8.196	2.720

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43173-e-6-c@4 Acquired: 8/9/2012 12:51:04 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8011	1.517	5.583	319.6	4.595	.4137
Stddev	2.996	.356	.454	1.0	.306	.4485
%RSD	374.0	23.50	8.130	.3117	6.665	108.4
#1	1.382	1.115	5.339	320.8	4.805	.5216
#2	-2.443	1.795	6.107	319.2	4.735	.7985
#3	3.464	1.640	5.304	319.0	4.243	-.0789

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.1014	4.247	144.4	1256.
Stddev	.7356	.142	3.1	5.
%RSD	725.6	3.354	2.180	.3977
#1	-.0196	4.147	146.8	1252.
#2	-.8745	4.184	140.8	1262.
#3	.5899	4.410	145.6	1254.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2555.8	27812.	2438.4
Stddev	3.7	100.	10.6
%RSD	.14558	.35887	.43387
#1	2552.0	27697.	2426.4
#2	2559.4	27860.	2442.3
#3	2556.0	27879.	2446.4

Sample Name: 460-43173-e-7-c@4 Acquired: 8/9/2012 12:54:46 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>53990.</b>	<b>22.93</b>	<b>-2.462</b>	<b>140.6</b>	<b>2.084</b>	<b>8991.</b>
Stddev	458.	1.71	.441	1.2	.142	83.
%RSD	.8489	7.459	17.89	.8321	6.801	.9254
#1	53720.	21.04	-2.100	140.9	1.998	8900.
#2	54520.	23.37	-2.335	141.6	2.247	9063.
#3	53740.	24.38	-2.952	139.3	2.006	9009.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1409</b>	<b>27.97</b>	<b>158.6</b>	<b>42.34</b>	<b>90520.</b>	<b>12770.</b>
Stddev	.0756	.27	1.4	3.62	785.	81.
%RSD	53.68	.9805	.8755	8.543	.8669	.6370
#1	.1622	27.82	157.7	38.19	90150.	12670.
#2	.0569	28.28	160.2	44.84	91420.	12810.
#3	.2035	27.80	157.9	43.98	89980.	12820.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>25720.</b>	<b>811.5</b>	<b>3675.</b>	<b>85.82</b>	<b>41.14</b>	<b>-3.398</b>
Stddev	209.	6.9	32.	.45	1.68	1.490
%RSD	.8119	.8541	.8716	.5281	4.083	43.85
#1	25610.	806.1	3646.	85.41	40.80	-2.547
#2	25960.	819.3	3709.	86.31	42.96	-2.528
#3	25580.	809.1	3668.	85.74	39.65	-5.118

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43173-e-7-c@4 Acquired: 8/9/2012 12:54:46 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6400	.0385	165.4	201.2	69.42	15.15
Stddev	.7552	2.448	2.0	.7	.59	.25
%RSD	118.0	6357.	1.184	.3369	.8437	1.636
#1	.3296	2.770	164.4	200.9	69.80	14.86
#2	.0896	-1.956	167.6	202.0	69.72	15.29
#3	1.501	-.6985	164.1	200.7	68.75	15.29

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.383	96.56	2788.	1586.
Stddev	1.477	.68	20.	37.
%RSD	106.8	.7007	.7040	2.327
#1	2.818	95.84	2768.	1549.
#2	1.462	97.19	2808.	1587.
#3	-.1322	96.66	2788.	1623.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2592.3	28185.	2523.2
Stddev	3.3	150.	11.5
%RSD	.12617	.53043	.45491
#1	2593.0	28273.	2534.3
#2	2588.7	28012.	2511.4
#3	2595.1	28270.	2524.1

Sample Name: 460-43193-a-1-d@4 Acquired: 8/9/2012 12:58:22 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>34600.</b>	<b>24.40</b>	<b>.1308</b>	<b>283.9</b>	<b>1.402</b>	<b>13860.</b>
Stddev	124.	3.75	.6050	.8	.080	33.
%RSD	.3591	15.37	462.6	.2677	5.694	.2374
#1	34550.	24.66	-.3509	283.1	1.487	13840.
#2	34500.	20.53	.8097	283.9	1.389	13840.
#3	34740.	28.02	-.0665	284.6	1.328	13900.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.049</b>	<b>27.61</b>	<b>85.73</b>	<b>187.8</b>	<b>76830.</b>	<b>4519.</b>
Stddev	.036	.51	.15	4.5	163.	33.
%RSD	3.450	1.841	.1805	2.377	.2127	.7297
#1	1.091	27.74	85.77	186.3	76690.	4501.
#2	1.035	28.04	85.56	192.9	77010.	4557.
#3	1.023	27.04	85.86	184.4	76800.	4499.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11660.</b>	<b>1274.</b>	<b>428.9</b>	<b>75.97</b>	<b>466.3</b>	<b>-1.475</b>
Stddev	38.	3.	25.0	.22	.6	1.330
%RSD	.3225	.2506	5.832	.2911	.1333	90.16
#1	11620.	1272.	456.6	76.03	467.0	-2.215
#2	11680.	1277.	407.8	75.72	465.8	-2.272
#3	11690.	1271.	422.4	76.15	466.1	.0602

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43193-a-1-d@4 Acquired: 8/9/2012 12:58:22 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.565</b>	<b>-2.038</b>	<b>150.5</b>	<b>454.5</b>	<b>8.859</b>	<b>1.505</b>
Stddev	.522	1.896	.6	2.1	1.229	.302
%RSD	20.34	93.05	.4065	.4616	13.88	20.10
#1	-2.668	-1.244	151.2	452.6	9.878	1.367
#2	-3.028	-6674	150.1	454.0	7.494	1.851
#3	-1.999	-4.202	150.1	456.7	9.205	1.296

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>29.42</b>	<b>107.2</b>	<b>1551.</b>	<b>1051.</b>
Stddev	1.29	.2	6.	15.
%RSD	4.367	.1775	.4039	1.441
#1	30.69	107.4	1556.	1048.
#2	29.45	107.0	1544.	1037.
#3	28.12	107.3	1553.	1067.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2552.0</b>	<b>27928.</b>	<b>2473.3</b>
Stddev	3.8	30.	7.2
%RSD	.14997	.10735	.29271
#1	2552.3	27900.	2467.4
#2	2555.7	27925.	2471.1
#3	2548.1	27960.	2481.4

Sample Name: 460-43193-a-2-d@4 Acquired: 8/9/2012 13:01:57 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47220.</b>	<b>13.54</b>	<b>-2415</b>	<b>261.5</b>	<b>1.954</b>	<b>5334.</b>
Stddev	156.	3.57	.3572	1.1	.044	14.
%RSD	.3301	26.39	148.0	.4285	2.264	.2686
#1	47110.	13.08	-4738	262.0	1.986	5318.
#2	47140.	17.32	-4205	262.2	1.904	5342.
#3	47400.	10.22	.1699	260.2	1.972	5343.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3794</b>	<b>35.33</b>	<b>441.5</b>	<b>345.6</b>	<b>77230.</b>	<b>3278.</b>
Stddev	.0524	.63	.8	.5	152.	98.
%RSD	13.81	1.771	.1734	.1312	.1968	3.000
#1	.3196	35.04	441.6	345.1	77070.	3377.
#2	.4017	36.05	442.2	346.0	77370.	3275.
#3	.4170	34.91	440.7	345.8	77260.	3181.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14110.</b>	<b>1486.</b>	<b>637.2</b>	<b>86.19</b>	<b>340.3</b>	<b>1.438</b>
Stddev	47.	5.	4.6	.20	2.0	5.475
%RSD	.3331	.3195	.7240	.2372	.6000	380.8
#1	14050.	1481.	633.8	86.39	342.5	.7119
#2	14150.	1487.	635.3	85.98	340.1	-3.638
#3	14120.	1490.	642.5	86.19	338.4	7.240

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43193-a-2-d@4 Acquired: 8/9/2012 13:01:57 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8185	1.114	159.1	295.4	6.805	.1809
Stddev	3.622	1.096	.4	1.1	.764	.3239
%RSD	442.5	98.33	.2531	.3848	11.23	179.1
#1	-2.432	-0.0635	158.9	295.8	7.016	-1409
#2	.1639	2.104	158.9	296.3	7.441	.1768
#3	4.723	1.303	159.6	294.2	5.957	.5068

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	44.01	71.74	1886.	1659.
Stddev	.52	.20	5.	17.
%RSD	1.180	.2801	.2909	.9945
#1	43.44	71.62	1880.	1644.
#2	44.12	71.97	1888.	1656.
#3	44.46	71.62	1891.	1677.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2602.4	28389.	2527.9
Stddev	6.6	192.	12.6
%RSD	.25480	.67497	.49857
#1	2607.3	28572.	2535.4
#2	2605.0	28406.	2534.9
#3	2594.9	28190.	2513.3

Sample Name: 460-43193-a-3-d@4 Acquired: 8/9/2012 13:05:32 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>46110.</b>	<b>16.81</b>	<b>-.6673</b>	<b>280.6</b>	<b>1.988</b>	<b>6168.</b>
Stddev	174.	.41	.2600	1.5	.379	20.
%RSD	.3776	2.420	38.95	.5373	19.05	.3258
#1	46010.	17.28	-.8734	282.1	2.262	6157.
#2	46310.	16.61	-.3753	280.5	1.556	6191.
#3	46010.	16.54	-.7534	279.1	2.146	6156.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0155</b>	<b>34.78</b>	<b>92.10</b>	<b>120.9</b>	<b>78180.</b>	<b>3556.</b>
Stddev	.0266	.41	.54	4.3	405.	35.
%RSD	171.2	1.186	.5864	3.558	.5174	.9824
#1	.0128	34.99	92.26	118.5	78620.	3558.
#2	.0434	34.30	91.49	125.9	78090.	3520.
#3	-.0096	35.04	92.53	118.3	77830.	3590.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14120.</b>	<b>1740.</b>	<b>272.6</b>	<b>76.24</b>	<b>190.3</b>	<b>-1.933</b>
Stddev	96.	13.	25.7	.39	.6	3.314
%RSD	.6817	.7431	9.417	.5065	.3081	171.5
#1	14230.	1755.	276.1	76.65	190.5	-5.728
#2	14050.	1735.	296.4	75.88	190.8	.3900
#3	14080.	1730.	245.4	76.18	189.6	-.4605

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43193-a-3-d@4 Acquired: 8/9/2012 13:05:32 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9144	-2.463	137.3	256.9	6.285	1.279
Stddev	2.490	1.492	1.0	1.4	.424	.124
%RSD	272.3	60.57	.7624	.5498	6.745	9.679
#1	-.4583	-4.184	138.3	258.5	6.725	1.252
#2	-.5873	-1.675	137.4	256.4	5.880	1.171
#3	3.789	-1.531	136.2	255.8	6.251	1.414

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	8.227	69.80	1775.	1280.
Stddev	1.078	.26	6.	2.
%RSD	13.10	.3732	.3563	.1374
#1	9.329	69.69	1774.	1278.
#2	8.177	70.09	1783.	1281.
#3	7.175	69.60	1770.	1280.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2582.0	28201.	2479.5
Stddev	4.5	234.	11.6
%RSD	.17310	.82920	.46670
#1	2577.3	27931.	2487.5
#2	2582.4	28338.	2466.2
#3	2586.2	28335.	2484.8

Sample Name:	460-43271-a-1-a@4	Acquired:	8/9/2012 13:09:08	Type:	Unk	
Method:	SW8460080712(v2)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>41420.</b>	<b>103.8</b>	<b>192.0</b>	<b>2178.</b>	<b>2.110</b>	<b>62320.</b>
Stddev	157.	1.4	1.1	13.	.133	438.
%RSD	.3787	1.317	.5814	.5833	6.277	.7025
#1	41240.	104.9	193.2	2177.	2.012	61840.
#2	41480.	104.1	191.0	2190.	2.261	62440.
#3	41540.	102.3	191.7	2165.	2.058	62690.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.967</b>	<b>35.97</b>	<b>1047.</b>	<b>F 113100.</b>	<b>116000.</b>	<b>3354.</b>
Stddev	.157	.31	2.	627.	70.	18.
%RSD	1.975	.8627	.2179	.5544	.0605	.5258
#1	8.114	35.76	1048.	112400.	116100.	3334.
#2	7.986	36.33	1048.	113400.	116000.	3367.
#3	7.801	35.83	1044.	113500.	115900.	3362.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail 25000. -50.00	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16600.</b>	<b>1822.</b>	<b>620.3</b>	<b>268.4</b>	<b>2483.</b>	<b>200.8</b>
Stddev	37.	3.	6.2	2.5	17.	4.9
%RSD	.2254	.1439	1.002	.9461	.6915	2.429
#1	16570.	1819.	614.5	268.2	2476.	195.4
#2	16650.	1823.	626.9	271.0	2502.	201.9
#3	16600.	1823.	619.3	265.9	2470.	205.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43271-a-1-a@4 Acquired: 8/9/2012 13:09:08 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>76.26</b>	<b>-3.919</b>	<b>125.0</b>	<b>2702.</b>	<b>13.45</b>	<b>8.818</b>
Stddev	3.76	.994	.5	19.	.36	.126
%RSD	4.929	25.37	.3671	.6869	2.713	1.427
#1	77.46	-2.778	124.5	2702.	13.53	8.679
#2	72.05	-4.378	125.3	2721.	13.78	8.924
#3	79.27	-4.601	125.2	2683.	13.06	8.849

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>205.8</b>	<b>357.7</b>	<b>1799.</b>	<b>2707.</b>
Stddev	2.5	1.6	3.	117.
%RSD	1.200	.4453	.1940	4.307
#1	205.3	355.9	1795.	2825.
#2	208.4	358.7	1801.	2704.
#3	203.6	358.5	1801.	2592.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2501.9</b>	<b>28119.</b>	<b>2528.7</b>
Stddev	13.1	63.	1.6
%RSD	.52440	.22282	.06178
#1	2498.5	28047.	2530.5
#2	2490.7	28148.	2527.8
#3	2516.3	28162.	2527.8

Sample Name: 460-43271-a-5-a@4 Acquired: 8/9/2012 13:12:41 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>28010.</b>	<b>28.65</b>	<b>-.7174</b>	<b>367.8</b>	<b>1.692</b>	<b>8034.</b>
Stddev	135.	1.45	.8527	1.1	.142	83.
%RSD	.4831	5.057	118.9	.2886	8.387	1.028
#1	28140.	27.17	.2377	369.0	1.657	8128.
#2	27870.	30.06	-.9879	367.1	1.848	7976.
#3	28030.	28.74	-1.402	367.3	1.571	7998.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.060</b>	<b>19.88</b>	<b>44.70</b>	<b>1562.</b>	<b>48440.</b>	<b>3457.</b>
Stddev	.077	.43	.91	31.	61.	118.
%RSD	7.282	2.143	2.034	2.013	.1252	3.422
#1	.9719	19.43	45.34	1597.	48500.	3564.
#2	1.094	19.93	45.10	1549.	48380.	3330.
#3	1.115	20.28	43.65	1538.	48450.	3478.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10550.</b>	<b>954.7</b>	<b>279.9</b>	<b>48.45</b>	<b>88.12</b>	<b>1.572</b>
Stddev	19.	1.9	8.5	.35	.78	3.317
%RSD	.1823	.1997	3.023	.7273	.8803	210.9
#1	10540.	956.7	288.1	48.51	89.00	5.393
#2	10570.	953.0	280.5	48.77	87.56	-.1152
#3	10550.	954.5	271.2	48.07	87.79	-.5612

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43271-a-5-a@4 Acquired: 8/9/2012 13:12:41 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.968</b>	<b>-6060</b>	<b>55.11</b>	<b>648.4</b>	<b>24.59</b>	<b>.4215</b>
Stddev	2.159	1.955	.26	3.1	.79	.1141
%RSD	72.74	322.6	.4758	.4838	3.209	27.07
#1	-.7261	-1.195	54.81	651.2	25.46	.4942
#2	-3.145	-2.198	55.22	649.0	24.38	.2900
#3	-5.033	1.576	55.30	645.0	23.92	.4802

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>3.989</b>	<b>66.76</b>	<b>623.9</b>	<b>1205.</b>
Stddev	.592	.40	3.2	16.
%RSD	14.84	.6040	.5091	1.292
#1	4.422	67.20	627.5	1200.
#2	3.314	66.42	621.9	1223.
#3	4.230	66.67	622.2	1193.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2568.9</b>	<b>28095.</b>	<b>2477.6</b>
Stddev	6.5	54.	17.8
%RSD	.25236	.19251	.71690
#1	2572.1	28098.	2460.4
#2	2573.2	28039.	2495.9
#3	2561.5	28147.	2476.7

Sample Name: 460-43271-a-6-a@4 Acquired: 8/9/2012 13:16:17 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>56350.</b>	<b>15.61</b>	<b>-.6556</b>	<b>220.4</b>	<b>1.890</b>	<b>5444.</b>
Stddev	67.	2.48	.5411	1.5	.183	37.
%RSD	.1184	15.88	82.54	.6905	9.685	.6818
#1	56380.	13.92	-1.050	220.4	1.680	5453.
#2	56400.	14.46	-.8781	222.0	2.017	5403.
#3	56270.	18.45	-.0386	219.0	1.973	5475.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.4080</b>	<b>35.03</b>	<b>68.37</b>	<b>1360.</b>	<b>78750.</b>	<b>4214.</b>
Stddev	.1131	.58	.58	6.	572.	16.
%RSD	27.73	1.664	.8527	.4157	.7262	.3759
#1	-.3688	35.61	67.79	1354.	78540.	4197.
#2	-.5356	35.04	68.95	1365.	79390.	4216.
#3	-.3197	34.44	68.37	1360.	78310.	4229.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13850.</b>	<b>1453.</b>	<b>267.2</b>	<b>68.60</b>	<b>57.67</b>	<b>-.7042</b>
Stddev	96.	12.	4.2	.38	.62	.9592
%RSD	.6907	.8051	1.571	.5490	1.068	136.2
#1	13800.	1446.	270.3	68.92	57.18	-1.309
#2	13960.	1466.	262.4	68.70	58.36	-1.205
#3	13790.	1446.	268.8	68.19	57.47	.4017

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43271-a-6-a@4 Acquired: 8/9/2012 13:16:17 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.772</b>	<b>-1.475</b>	<b>95.35</b>	<b>185.2</b>	<b>23.55</b>	<b>1.699</b>
Stddev	1.296	2.468	.62	.8	.43	.071
%RSD	34.36	167.3	.6487	.4413	1.830	4.175
#1	-2.637	1.202	95.54	185.6	23.34	1.780
#2	-5.184	-1.967	95.86	185.7	23.25	1.649
#3	-3.495	-3.660	94.66	184.2	24.04	1.669

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.485</b>	<b>66.95</b>	<b>796.3</b>	<b>1293.</b>
Stddev	.770	.10	3.4	30.
%RSD	31.00	.1496	.4318	2.331
#1	2.851	66.86	799.6	1325.
#2	3.004	67.06	796.5	1266.
#3	1.600	66.94	792.7	1288.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2534.4</b>	<b>27658.</b>	<b>2439.5</b>
Stddev	5.2	227.	4.8
%RSD	.20561	.81922	.19844
#1	2530.7	27767.	2437.7
#2	2532.0	27397.	2445.0
#3	2540.3	27809.	2435.9

Sample Name: 460-43271-a-7-a@4 Acquired: 8/9/2012 13:19:54 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>68350.</b>	<b>73.33</b>	<b>-1.089</b>	<b>348.0</b>	<b>2.412</b>	<b>8315.</b>
Stddev	326.	1.27	.570	1.2	.083	32.
%RSD	.4769	1.729	52.34	.3359	3.422	.3897
#1	68620.	73.70	-.8040	349.2	2.399	8333.
#2	68430.	71.92	-.7177	346.9	2.336	8334.
#3	67990.	74.38	-1.745	347.8	2.500	8277.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3925</b>	<b>50.91</b>	<b>94.38</b>	<b>3167.</b>	<b>115100.</b>	<b>4936.</b>
Stddev	.1582	.53	.47	15.	815.	28.
%RSD	40.31	1.035	.4996	.4784	.7083	.5573
#1	.2382	51.39	94.66	3185.	116000.	4943.
#2	.5543	51.00	94.65	3160.	114800.	4959.
#3	.3849	50.34	93.84	3157.	114500.	4905.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17120.</b>	<b>1730.</b>	<b>336.9</b>	<b>82.82</b>	<b>71.00</b>	<b>-.0349</b>
Stddev	52.	18.	15.6	.57	1.75	2.749
%RSD	.3034	1.036	4.638	.6909	2.471	7878.
#1	17180.	1751.	354.8	83.48	73.00	-2.383
#2	17110.	1724.	326.0	82.52	70.29	-.7115
#3	17080.	1717.	330.0	82.46	69.71	2.989

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43271-a-7-a@4 Acquired: 8/9/2012 13:19:54 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.300</b>	<b>-2.943</b>	<b>131.1</b>	<b>371.8</b>	<b>32.74</b>	<b>2.682</b>
Stddev	4.843	1.159	1.4	1.2	.84	.292
%RSD	146.8	39.39	1.070	.3139	2.558	10.90
#1	-1.942	-2.916	132.6	373.1	33.23	2.674
#2	-8.676	-4.115	129.9	371.4	33.23	2.978
#3	.7194	-1.797	130.7	370.9	31.78	2.393

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>3.972</b>	<b>75.49</b>	<b>1205.</b>	<b>1391.</b>
Stddev	.412	.36	3.	3.
%RSD	10.37	.4786	.2304	.2252
#1	3.788	75.87	1207.	1388.
#2	4.443	75.44	1202.	1390.
#3	3.684	75.15	1207.	1394.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2548.2</b>	<b>27684.</b>	<b>2464.6</b>
Stddev	8.2	216.	14.8
%RSD	.32167	.78123	.60086
#1	2538.8	27474.	2451.7
#2	2553.3	27674.	2461.4
#3	2552.6	27906.	2480.8

Sample Name: CCV Acquired: 8/9/2012 13:23:31 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>127000.</b>	<b>2519.</b>	<b>1254.</b>	<b>10110.</b>	<b>997.8</b>	<b>127300.</b>
Stddev	1093.	7.	4.	15.	8.7	939.
%RSD	.8600	.2724	.3478	.1447	.8721	.7377

#1	128300.	2523.	1259.	10110.	1008.	128400.
#2	126400.	2511.	1251.	10090.	991.8	126600.
#3	126500.	2522.	1252.	10110.	993.8	126900.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1268.</b>	<b>2539.</b>	<b>5105.</b>	<b>12470.</b>	<b>101900.</b>	<b>50140.</b>
Stddev	2.	6.	21.	106.	334.	373.
%RSD	.1643	.2406	.4151	.8495	.3277	.7440

#1	1269.	2540.	5129.	12590.	102300.	50560.
#2	1265.	2532.	5097.	12420.	101800.	49990.
#3	1269.	2544.	5089.	12390.	101600.	49860.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>127200.</b>	<b>5138.</b>	<b>127100.</b>	<b>2555.</b>	<b>7670.</b>	<b>1007.</b>
Stddev	524.	10.	1142.	6.	9.	6.
%RSD	.4121	.1976	.8985	.2154	.1150	.6188

#1	127800.	5148.	128400.	2556.	7667.	1008.
#2	127000.	5139.	126300.	2550.	7663.	1000.
#3	126800.	5128.	126600.	2561.	7680.	1013.

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/9/2012 13:23:31 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2514.	2538.	2490.	2531.	1001.	2529.
Stddev	4.	9.	10.	3.	2.	3.
%RSD	.1505	.3553	.4012	.1089	.1531	.1320

#1	2512.	2543.	2499.	2531.	999.5	2528.
#2	2512.	2528.	2490.	2528.	1002.	2527.
#3	2519.	2544.	2479.	2533.	1002.	2533.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1014.	5051.	10250.	9928.
Stddev	2.	44.	98.	55.
%RSD	.2192	.8669	.9544	.5533

#1	1011.	5101.	10360.	9912.
#2	1016.	5022.	10190.	9989.
#3	1014.	5029.	10200.	9883.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2317.1	25406.	2359.0
Stddev	1.2	70.	26.5
%RSD	.05240	.27463	1.1218

#1	2318.0	25325.	2331.2
#2	2317.6	25443.	2384.0
#3	2315.7	25449.	2361.6

Sample Name: CCB Acquired: 8/9/2012 13:26:52 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-5.986</b>	<b>2.789</b>	<b>-1.060</b>	<b>.3199</b>	<b>.0661</b>	<b>10.14</b>
Stddev	29.42	1.665	.421	.4532	.1450	9.90
%RSD	491.5	59.72	39.73	141.7	219.6	97.68
#1	3.352	3.059	-.5764	.8103	.2299	21.21
#2	17.63	4.302	-1.348	.2329	.0142	7.036
#3	-38.95	1.005	-1.255	-.0835	-.0459	2.155

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0458</b>	<b>.6356</b>	<b>.5219</b>	<b>6.178</b>	<b>2.387</b>	<b>28.52</b>
Stddev	.0483	.1511	.8035	.815	13.55	64.89
%RSD	105.4	23.77	153.9	13.19	567.5	227.5
#1	-.0035	.4674	1.351	5.769	13.36	-44.91
#2	.0481	.6796	-.2535	7.116	-12.76	52.31
#3	.0930	.7599	.4685	5.648	6.559	78.15

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.39</b>	<b>.3504</b>	<b>43.03</b>	<b>.1722</b>	<b>-.2023</b>	<b>-.4875</b>
Stddev	7.19	.3614	44.45	.8067	1.320	1.788
%RSD	58.02	103.1	103.3	468.4	652.3	366.8
#1	17.96	.7430	94.15	.9194	.3668	-2.510
#2	14.93	.2765	21.42	-.6832	.7372	.8844
#3	4.274	.0317	13.51	.2805	-1.711	.1630

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 13:26:52 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2176	1.020	.2372	.0862	1.991	2.067
Stddev	.5721	2.151	.4470	.2220	.105	1.615
%RSD	262.9	210.9	188.4	257.5	5.264	78.15
#1	.5526	1.433	.5180	.2631	2.112	3.916
#2	.5431	-1.308	-.2782	.1584	1.927	1.349
#3	-.4430	2.934	.4719	-.1629	1.934	.9347

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.1059	.5503	3.584	2.584
Stddev	.4183	.4441	2.304	7.361
%RSD	395.0	80.71	64.27	284.9
#1	.3445	1.019	5.404	8.793
#2	-.4822	.4960	4.355	4.505
#3	-.1801	.1358	.9942	-5.547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2507.1	27489.	2384.6
Stddev	4.9	47.	14.9
%RSD	.19409	.17184	.62404
#1	2511.8	27526.	2376.3
#2	2502.1	27436.	2375.6
#3	2507.3	27507.	2401.7

Sample Name: mb 460-123227/1-a Acquired: 8/9/2012 13:30:38 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-16.88</b>	<b>.1714</b>	<b>.2212</b>	<b>-.1637</b>	<b>-.1394</b>	<b>-1.875</b>
Stddev	13.17	1.986	.7602	.0901	.1707	11.78
%RSD	78.04	1158.	343.7	55.04	122.4	628.0
#1	-5.527	1.937	.9346	-.0616	-.3119	1.536
#2	-31.32	.5550	-.5784	-.2320	-.1357	-14.98
#3	-13.79	-1.978	.3073	-.1974	.0293	7.819

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0033</b>	<b>-.0082</b>	<b>.1124</b>	<b>.1814</b>	<b>12.02</b>	<b>72.18</b>
Stddev	.0593	.1885	.1814	1.504	13.42	63.48
%RSD	1789.	2297.	161.4	829.5	111.6	87.95
#1	.0196	-.0634	.2966	.9053	8.858	139.8
#2	.0412	-.1630	.1069	1.187	26.74	13.81
#3	-.0707	.2017	-.0661	-1.548	.4742	62.96

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.112</b>	<b>.0902</b>	<b>-15.31</b>	<b>-.0498</b>	<b>-.4979</b>	<b>-1.976</b>
Stddev	4.497	.0367	20.14	.4078	.9616	2.946
%RSD	73.57	40.70	131.5	819.0	193.1	149.1
#1	8.921	.0829	-16.00	.3602	-1.401	-.3491
#2	8.491	.0576	5.164	-.4553	-.6063	-.2009
#3	.9257	.1299	-35.09	-.0543	.5133	-5.377

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-123227/1-a Acquired: 8/9/2012 13:30:38 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.212</b>	<b>-1.232</b>	<b>-.1426</b>	<b>-.0032</b>	<b>.9610</b>	<b>.4693</b>
Stddev	2.545	1.808	.1239	.2280	.4539	.1732
%RSD	210.1	146.8	86.85	7186.	47.23	36.92
#1	.9363	-3.311	-.0215	-.2503	1.341	.5591
#2	-4.023	-.3536	-.1374	.1990	1.084	.2696
#3	-.5483	-.0307	-.2690	.0418	.4584	.5792

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-1.147</b>	<b>.0832</b>	<b>2.140</b>	<b>-16.29</b>
Stddev	.224	.1634	1.901	21.41
%RSD	19.52	196.4	88.86	131.4
#1	-1.405	-.0555	.6121	-20.46
#2	-1.002	.0417	1.538	-35.31
#3	-1.034	.2633	4.269	6.896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2519.8</b>	<b>27579.</b>	<b>2394.8</b>
Stddev	8.6	74.	13.5
%RSD	.33960	.27000	.56411
#1	2509.9	27503.	2393.8
#2	2524.7	27582.	2381.9
#3	2524.7	27652.	2408.8

Sample Name: lcs 460-123227/2-a Acquired: 8/9/2012 13:34:23 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1981.	1941.	47.89	2025.	50.40	20660.
Stddev	5.	4.	.83	9.	.16	115.
%RSD	.2500	.2224	1.742	.4257	.3230	.5579
#1	1976.	1942.	47.88	2026.	50.47	20600.
#2	1982.	1945.	47.07	2033.	50.21	20590.
#3	1986.	1936.	48.73	2016.	50.51	20800.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.58	515.3	205.8	250.5	1049.	19730.
Stddev	.21	2.4	1.3	2.6	6.	50.
%RSD	.4059	.4596	.6367	1.034	.5293	.2544
#1	51.62	515.4	204.9	249.3	1054.	19690.
#2	51.76	517.5	205.1	253.5	1043.	19710.
#3	51.35	512.8	207.3	248.7	1049.	19790.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19840.	529.3	20190.	522.7	525.3	487.3
Stddev	49.	1.9	118.	1.3	2.3	2.8
%RSD	.2453	.3679	.5821	.2468	.4461	.5841
#1	19860.	528.3	20160.	523.1	524.6	490.4
#2	19780.	528.2	20090.	523.7	527.9	486.6
#3	19880.	531.6	20320.	521.2	523.4	484.9

Check ?	Chk Pass					
Value Range						

Sample Name: lcs 460-123227/2-a Acquired: 8/9/2012 13:34:23 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1936.	2162.	496.5	510.7	493.9	501.2
Stddev	9.	6.	2.7	2.7	1.7	2.4
%RSD	.4782	.2676	.5387	.5286	.3347	.4878
#1	1932.	2165.	494.1	512.0	494.1	502.3
#2	1946.	2167.	496.1	512.4	495.5	502.9
#3	1929.	2156.	499.4	507.6	492.2	498.4

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	516.5	490.1	514.3	F 46.12
Stddev	1.9	2.6	3.5	25.58
%RSD	.3623	.5324	.6839	55.45
#1	517.1	489.3	513.8	75.07
#2	518.0	488.1	511.0	26.59
#3	514.4	493.1	518.0	36.70

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value Range				2000. -15.00%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2491.3	27181.	2421.3
Stddev	6.6	83.	14.9
%RSD	.26666	.30562	.61739
#1	2489.5	27125.	2437.9
#2	2485.8	27276.	2416.8
#3	2498.7	27141.	2409.1

Sample Name: 460-43269-h-4-b du Acquired: 8/9/2012 13:37:51 Type: Unk  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>105.5</b>	<b>1.740</b>	<b>-.1275</b>	<b>253.5</b>	<b>.0701</b>	<b>4203.</b>
Stddev	13.6	3.642	.1800	.5	.1299	43.
%RSD	12.92	209.3	141.2	.2116	185.4	1.019

#1	89.77	-2.310	-.0141	254.0	.0056	4250.
#2	113.8	4.746	-.3350	253.7	-.0150	4166.
#3	113.0	2.785	-.0333	253.0	.2197	4193.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0577</b>	<b>5.375</b>	<b>113.2</b>	<b>8.836</b>	<b>227.7</b>	<b>2593.</b>
Stddev	.0716	.365	.5	3.189	8.2	47.
%RSD	124.1	6.791	.4774	36.09	3.611	1.817

#1	.1398	5.136	112.5	11.54	230.4	2599.
#2	.0090	5.795	113.5	9.652	218.5	2543.
#3	.0242	5.195	113.4	5.319	234.3	2636.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6842.</b>	<b>126.7</b>	<b>19880.</b>	<b>325.8</b>	<b>-.1724</b>	<b>1.226</b>
Stddev	27.	.4	24.	.2	.9272	1.078
%RSD	.4018	.2872	.1196	.0746	537.9	87.98

#1	6864.	126.9	19870.	326.0	.2664	1.905
#2	6852.	127.0	19910.	325.6	.4540	-.0176
#3	6811.	126.3	19870.	325.6	-1.237	1.789

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-4-b du Acquired: 8/9/2012 13:37:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.900	2.216	-3.943	10.65	29.86	.0847
Stddev	3.231	1.472	.2213	.05	.24	.3837
%RSD	170.0	66.39	56.13	.4322	.8178	453.3
#1	5.614	3.694	-.4051	10.61	29.64	.2509
#2	.3525	2.205	-.1678	10.70	29.82	.3572
#3	-.2653	.7507	-.6100	10.64	30.12	-.3542

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.3067	54.95	1.657	3981.
Stddev	.2566	.13	2.321	45.
%RSD	83.67	.2292	140.0	1.124
#1	-.0232	54.86	2.745	3956.
#2	-.5230	55.09	-1.007	3954.
#3	-.3738	54.90	3.234	4033.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2517.0	27537.	2413.8
Stddev	4.6	51.	5.6
%RSD	.18323	.18435	.23368
#1	2516.3	27537.	2420.2
#2	2521.9	27487.	2411.5
#3	2512.8	27588.	2409.6

Sample Name: 460-43269-h-4-a Acquired: 8/9/2012 13:41:30 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>119.5</b>	<b>.7142</b>	<b>.1797</b>	<b>257.4</b>	<b>.0442</b>	<b>4252.</b>
Stddev	28.6	.0930	.5101	1.5	.1087	16.
%RSD	23.95	13.02	283.9	.5934	246.1	.3644
#1	128.9	.6850	-.3979	259.2	.1359	4261.
#2	142.2	.6394	.3685	256.4	-.0759	4262.
#3	87.33	.8183	.5684	256.7	.0725	4234.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0980</b>	<b>5.533</b>	<b>113.7</b>	<b>7.006</b>	<b>231.2</b>	<b>2752.</b>
Stddev	.0767	.356	.4	2.030	14.7	45.
%RSD	78.25	6.437	.3434	28.97	6.342	1.625
#1	.0767	5.183	113.7	4.713	216.6	2739.
#2	.0342	5.523	114.0	8.572	231.1	2716.
#3	.1830	5.895	113.2	7.732	245.9	2802.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6898.</b>	<b>128.2</b>	<b>20080.</b>	<b>330.8</b>	<b>.8544</b>	<b>1.135</b>
Stddev	13.	.2	66.	2.6	.6927	1.898
%RSD	.1853	.1329	.3288	.7749	81.07	167.3
#1	6889.	128.2	20150.	333.3	1.644	-.9842
#2	6892.	128.3	20070.	328.2	.5681	2.680
#3	6912.	128.0	20030.	330.9	.3507	1.709

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-4-a Acquired: 8/9/2012 13:41:30 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.594</b>	<b>.3870</b>	<b>-.3620</b>	<b>10.30</b>	<b>30.16</b>	<b>.2623</b>
Stddev	4.486	2.119	.2605	.08	.33	.0178
%RSD	281.4	547.5	71.97	.7984	1.108	6.783
#1	6.183	2.778	-.4447	10.40	30.35	.2828
#2	1.383	-.3577	-.5711	10.24	30.36	.2526
#3	-2.783	-1.259	-.0701	10.27	29.78	.2514

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.7500</b>	<b>55.36</b>	<b>.1052</b>	<b>4033.</b>
Stddev	1.557	.20	.5045	34.
%RSD	207.6	.3567	479.8	.8413
#1	-.3417	55.17	-.4719	4073.
#2	.5621	55.56	.3241	4012.
#3	-2.470	55.34	.4632	4015.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2516.1</b>	<b>27567.</b>	<b>2420.2</b>
Stddev	14.9	69.	4.7
%RSD	.59030	.25009	.19514
#1	2499.4	27522.	2414.8
#2	2527.8	27646.	2422.1
#3	2521.1	27532.	2423.7

Sample Name: sd 460-43269-h-4-a@5 Acquired: 8/9/2012 13:45:09 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21.73</b>	<b>2.066</b>	<b>.0058</b>	<b>50.62</b>	<b>-.0424</b>	<b>824.1</b>
Stddev	7.77	2.178	1.038	.10	.1907	10.0
%RSD	35.78	105.4	18010.	.1928	449.3	1.211
#1	30.04	4.563	-.8484	50.63	.1535	834.5
#2	14.64	1.074	-.2951	50.52	-.0533	814.6
#3	20.50	.5608	1.161	50.71	-.2275	823.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0162</b>	<b>1.104</b>	<b>22.20</b>	<b>2.911</b>	<b>58.84</b>	<b>541.5</b>
Stddev	.0357	.113	.24	1.452	5.78	18.2
%RSD	219.7	10.21	1.101	49.87	9.823	3.354
#1	.0317	.9751	22.38	2.887	64.69	562.3
#2	.0416	1.150	22.30	4.375	58.69	529.0
#3	-.0246	1.186	21.92	1.472	53.13	533.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1362.</b>	<b>25.36</b>	<b>4032.</b>	<b>66.04</b>	<b>.0054</b>	<b>-.6173</b>
Stddev	8.	.15	32.	.17	.2187	1.656
%RSD	.5507	.5975	.7832	.2629	4048.	268.2
#1	1369.	25.46	4063.	66.24	.1443	-2.447
#2	1354.	25.19	4000.	65.98	-.2467	-.1834
#3	1363.	25.43	4033.	65.91	.1186	.7784

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43269-h-4-a@5 Acquired: 8/9/2012 13:45:09 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3167	-2.921	.0242	2.780	6.312	.0485
Stddev	3.438	3.209	.1719	.087	.699	.2322
%RSD	1086.	1098.	711.5	3.148	11.07	478.5
#1	3.701	-3.385	-.1102	2.863	6.306	-.1528
#2	-3.174	-.5121	.2179	2.689	5.616	.3025
#3	.4229	3.021	-.0352	2.787	7.014	-.0042

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-6770	11.02	2.156	776.6
Stddev	1.377	.25	1.366	26.0
%RSD	203.4	2.230	63.35	3.349
#1	-2.188	11.30	3.110	773.3
#2	-.3501	10.86	2.766	752.4
#3	.5073	10.89	.5915	804.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2527.0	27720.	2405.9
Stddev	1.6	85.	7.7
%RSD	.06189	.30788	.31883
#1	2527.7	27622.	2405.7
#2	2528.0	27773.	2413.7
#3	2525.2	27766.	2398.4

Sample Name: 460-43269-h-4-c.ms Acquired: 8/9/2012 13:48:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2129.</b>	<b>1924.</b>	<b>48.23</b>	<b>2248.</b>	<b>51.16</b>	<b>24990.</b>
Stddev	20.	8.	1.26	7.	.33	90.
%RSD	.9567	.4135	2.612	.3026	.6446	.3608
#1	2150.	1923.	46.78	2250.	51.19	24980.
#2	2127.	1932.	49.04	2254.	51.48	25090.
#3	2110.	1916.	48.87	2240.	50.82	24910.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>50.64</b>	<b>512.5</b>	<b>313.7</b>	<b>259.7</b>	<b>1231.</b>	<b>22350.</b>
Stddev	.25	1.8	.6	4.2	10.	35.
%RSD	.5021	.3505	.1946	1.636	.7740	.1583
#1	50.78	512.9	313.0	262.0	1230.	22330.
#2	50.80	514.1	314.2	262.3	1242.	22330.
#3	50.35	510.6	313.8	254.8	1223.	22390.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>26030.</b>	<b>649.7</b>	<b>39810.</b>	<b>829.9</b>	<b>514.4</b>	<b>477.6</b>
Stddev	161.	4.5	238.	2.6	2.3	3.4
%RSD	.6192	.6905	.5985	.3146	.4479	.7034
#1	25990.	645.6	39910.	829.9	514.9	479.4
#2	26210.	654.5	39980.	832.5	516.4	479.8
#3	25900.	649.2	39540.	827.2	511.9	473.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-4-c.ms Acquired: 8/9/2012 13:48:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1913.	2106.	492.2	513.5	520.5	495.1
Stddev	10.	6.	3.5	1.8	1.9	2.0
%RSD	.5227	.2883	.7172	.3434	.3573	.3979
#1	1914.	2108.	489.5	514.1	519.2	494.7
#2	1922.	2111.	496.2	514.9	522.6	497.2
#3	1902.	2099.	490.9	511.5	519.6	493.3

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	511.1	548.5	513.3	4169.
Stddev	2.0	2.7	1.7	44.
%RSD	.3980	.4846	.3379	1.065
#1	511.1	549.6	514.1	4128.
#2	513.2	550.4	514.4	4163.
#3	509.1	545.4	511.3	4216.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2464.3	26908.	2384.4
Stddev	3.5	186.	18.2
%RSD	.14024	.69296	.76373
#1	2467.6	26968.	2367.8
#2	2460.7	26699.	2381.4
#3	2464.7	27057.	2403.9

Sample Name: pds 460-43269-h-4-a Acquired: 8/9/2012 13:52:18 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2080.</b>	<b>1914.</b>	<b>47.55</b>	<b>2238.</b>	<b>49.93</b>	<b>24660.</b>
Stddev	46.	1.	.59	5.	.58	258.
%RSD	2.210	.0500	1.242	.2090	1.161	1.047
#1	2034.	1913.	47.92	2243.	49.73	24550.
#2	2126.	1914.	47.86	2234.	50.58	24960.
#3	2080.	1915.	46.87	2235.	49.47	24480.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>49.88</b>	<b>503.8</b>	<b>312.1</b>	<b>254.8</b>	<b>1247.</b>	<b>22200.</b>
Stddev	.06	1.5	.6	4.3	8.	219.
%RSD	.1131	.2960	.1839	1.681	.6455	.9854
#1	49.89	505.2	311.5	250.3	1248.	22080.
#2	49.81	503.9	312.4	255.2	1254.	22450.
#3	49.92	502.2	312.6	258.9	1238.	22060.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>25980.</b>	<b>640.3</b>	<b>39360.</b>	<b>822.2</b>	<b>503.6</b>	<b>480.2</b>
Stddev	65.	1.9	350.	3.0	.4	2.4
%RSD	.2493	.2934	.8888	.3603	.0710	.4927
#1	25910.	639.7	39220.	825.5	503.6	482.6
#2	26040.	642.4	39750.	821.0	503.2	477.9
#3	25990.	638.8	39100.	820.0	503.9	480.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43269-h-4-a Acquired: 8/9/2012 13:52:18 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1882.	2066.	482.2	505.6	513.6	493.1
Stddev	2.	7.	1.1	1.3	2.0	1.1
%RSD	.1095	.3275	.2259	.2657	.3903	.2205
#1	1880.	2073.	481.0	507.1	515.8	494.3
#2	1882.	2059.	482.7	504.5	511.8	492.6
#3	1884.	2066.	482.9	505.1	513.1	492.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	509.9	538.5	510.5	4126.
Stddev	2.6	5.8	5.6	34.
%RSD	.5185	1.082	1.093	.8227
#1	512.5	535.8	506.4	4141.
#2	509.9	545.2	516.9	4150.
#3	507.2	534.5	508.2	4087.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2469.8	26904.	2395.9
Stddev	5.1	17.	7.6
%RSD	.20555	.06241	.31835
#1	2465.2	26920.	2400.7
#2	2468.9	26886.	2387.1
#3	2475.2	26907.	2399.8

Sample Name: 460-43274-a-1-a Acquired: 8/9/2012 13:55:45 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>66.74</b>	<b>1094.</b>	<b>-.1009</b>	<b>132.6</b>	<b>-.1603</b>	<b>83460.</b>
Stddev	10.60	4.	.6473	.7	.2037	1381.
%RSD	15.88	.3687	641.3	.4933	127.1	1.654
#1	78.27	1097.	-.8202	132.9	-.1020	85040.
#2	64.53	1096.	.4348	133.0	.0079	82520.
#3	57.42	1089.	.0826	131.8	-.3868	82800.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1362</b>	<b>.6158</b>	<b>-.6264</b>	<b>30.02</b>	<b>30.19</b>	<b>12680.</b>
Stddev	.1088	.4421	.2179	3.16	12.96	180.
%RSD	79.93	71.80	34.79	10.52	42.93	1.423
#1	.0165	1.066	-.6305	33.12	33.72	12890.
#2	.1628	.1819	-.4065	30.11	15.83	12560.
#3	.2292	.5997	-.8422	26.81	41.03	12590.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>19690.</b>	<b>1028.</b>	<b>129000.</b>	<b>3.607</b>	<b>.9636</b>	<b>35.60</b>
Stddev	31.	1.	2297.	.562	.3181	2.31
%RSD	.1595	.1238	1.780	15.59	33.01	6.480
#1	19720.	1029.	131700.	3.031	1.206	38.20
#2	19700.	1029.	127600.	3.634	1.081	34.78
#3	19660.	1027.	127800.	4.155	.6034	33.81

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43274-a-1-a Acquired: 8/9/2012 13:55:45 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.398</b>	<b>-2.441</b>	<b>6.433</b>	<b>4.671</b>	<b>142.0</b>	<b>1.941</b>
Stddev	.287	.171	.610	.179	1.0	.375
%RSD	4.484	7.011	9.485	3.838	.7339	19.33
#1	6.653	-2.622	5.752	4.479	140.9	2.360
#2	6.456	-2.283	6.929	4.698	142.9	1.824
#3	6.087	-2.417	6.619	4.835	142.2	1.638

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.5108</b>	<b>351.4</b>	<b>5.458</b>	<b>5651.</b>
Stddev	.3428	5.7	1.844	30.
%RSD	67.12	1.632	33.79	.5279
#1	.3278	358.0	3.332	5668.
#2	.2983	348.0	6.629	5669.
#3	.9063	348.2	6.413	5617.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2424.9</b>	<b>26310.</b>	<b>2401.9</b>
Stddev	6.1	51.	36.0
%RSD	.25153	.19227	1.4971
#1	2426.8	26331.	2360.7
#2	2418.1	26347.	2417.9
#3	2429.9	26252.	2427.1

Sample Name: 460-43274-a-2-a Acquired: 8/9/2012 13:59:26 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>84.82</b>	<b>72.20</b>	<b>.9291</b>	<b>139.5</b>	<b>-.0564</b>	<b>144900.</b>
Stddev	12.43	1.29	.9378	.5	.0915	618.
%RSD	14.66	1.788	100.9	.3623	162.4	.4263
#1	74.36	73.68	1.769	139.9	.0234	145400.
#2	81.54	71.55	1.101	139.7	-.1563	144200.
#3	98.57	71.36	-.0829	138.9	-.0362	145000.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.036</b>	<b>-.6253</b>	<b>-.4741</b>	<b>7.937</b>	<b>39.12</b>	<b>57300.</b>
Stddev	.068	.0637	.4570	1.572	24.96	509.
%RSD	3.318	10.18	96.38	19.81	63.79	.8887
#1	2.112	-.6840	-1.001	9.044	21.80	56950.
#2	2.011	-.5577	-.2262	6.137	27.84	57070.
#3	1.984	-.6343	-.1947	8.629	67.72	57880.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>184800.</b>	<b>212.2</b>	<b>F 1162000.</b>	<b>12.90</b>	<b>-1.382</b>	<b>45.00</b>
Stddev	1819.	1.6	57180.	.63	1.968	.81
%RSD	.9842	.7513	4.921	4.864	142.4	1.798
#1	186900.	214.0	1227000.	12.75	-3.620	44.26
#2	183900.	211.1	1137000.	13.59	-.6002	44.87
#3	183600.	211.4	1122000.	12.36	.0754	45.86

Check ?	Chk Pass	Chk Pass	Chk Fail 250000. -5000.	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43274-a-2-a Acquired: 8/9/2012 13:59:26 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.749</b>	<b>1.556</b>	<b>1.340</b>	<b>434.1</b>	<b>699.9</b>	<b>1.698</b>
Stddev	3.084	1.840	.251	1.7	1.8	.238
%RSD	176.3	118.3	18.75	.3816	.2588	14.03
#1	2.793	1.927	1.352	435.3	700.5	1.436
#2	4.177	-4416	1.083	434.8	701.4	1.902
#3	-1.722	3.182	1.585	432.2	697.9	1.757

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.4423</b>	<b>1426.</b>	<b>6.843</b>	<b>5360.</b>
Stddev	.5077	8.	.935	35.
%RSD	114.8	.5782	13.66	.6452
#1	1.028	1426.	6.277	5338.
#2	.1766	1417.	6.330	5344.
#3	.1226	1434.	7.922	5400.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2219.7</b>	<b>23602.</b>	<b>2360.2</b>
Stddev	13.4	352.	40.5
%RSD	.60158	1.4932	1.7167
#1	2204.3	23201.	2314.7
#2	2228.2	23740.	2373.7
#3	2226.6	23863.	2392.3

Sample Name: 460-43274-a-3-a Acquired: 8/9/2012 14:03:13 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>332.0</b>	<b>153.3</b>	<b>-.4057</b>	<b>177.1</b>	<b>-.1572</b>	<b>F 448500.</b>
Stddev	44.8	5.6	1.021	.3	.1325	2210.
%RSD	13.50	3.669	251.7	.1834	84.27	.4928
#1	322.7	150.5	-1.520	177.2	-.1624	448600.
#2	380.7	159.8	-.1821	177.4	-.2869	450700.
#3	292.5	149.7	.4852	176.8	-.0222	446300.
Check ?	Chk Pass	Chk Fail				
High Limit						250000.
Low Limit						-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3018</b>	<b>1.230</b>	<b>-.3.882</b>	<b>8.986</b>	<b>133.2</b>	<b>55100.</b>
Stddev	.1739	.276	.059	6.923	3.7	474.
%RSD	57.62	22.39	1.508	77.04	2.745	.8598
#1	.4691	.9151	-3.818	1.033	137.3	54710.
#2	.3143	1.352	-3.932	13.66	131.9	55620.
#3	.1220	1.424	-3.897	12.26	130.3	54960.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>59340.</b>	<b>393.4</b>	<b>F 963700.</b>	<b>25.07</b>	<b>26.34</b>	<b>323.9</b>
Stddev	125.	.8	17570.	.11	1.55	1.5
%RSD	.2112	.2130	1.823	.4514	5.884	.4583
#1	59200.	394.2	983700.	25.17	26.31	322.7
#2	59430.	393.5	950700.	25.08	27.90	325.5
#3	59400.	392.6	956700.	24.94	24.80	323.5
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-43274-a-3-a Acquired: 8/9/2012 14:03:13 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.995</b>	<b>.5101</b>	<b>.7728</b>	<b>54.07</b>	<b>642.0</b>	<b>138.4</b>
Stddev	1.741	.9001	.5123	.38	1.1	.7
%RSD	58.12	176.4	66.29	.7056	.1679	.4936
#1	3.041	-3471	1.235	54.49	642.9	139.0
#2	4.712	1.448	.8620	53.76	640.8	138.5
#3	1.232	.4298	.2218	53.95	642.3	137.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.9424</b>	<b>1789.</b>	<b>15.36</b>	<b>5097.</b>
Stddev	1.309	11.	.73	11.
%RSD	138.9	.5897	4.765	.2061
#1	.0861	1795.	14.71	5099.
#2	-.4969	1796.	15.22	5106.
#3	-2.416	1777.	16.16	5085.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2214.1</b>	<b>23966.</b>	<b>2388.6</b>
Stddev	6.1	41.	21.7
%RSD	.27693	.17086	.90921
#1	2209.1	23945.	2395.0
#2	2212.2	23939.	2364.4
#3	2220.9	24013.	2406.4

Sample Name: CCV Acquired: 8/9/2012 14:07:03 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125400.	2520.	1244.	10060.	997.7	126300.
Stddev	1108.	20.	6.	88.	6.6	857.
%RSD	.8836	.8041	.5200	.8736	.6593	.6788

#1	124400.	2543.	1238.	10160.	990.5	125400.
#2	126600.	2504.	1251.	10000.	1003.	127100.
#3	125400.	2513.	1243.	10030.	999.2	126300.

Check ? Value Range	Chk Pass					
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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1262.	2539.	5045.	12430.	100600.	50080.
Stddev	11.	22.	21.	84.	308.	339.
%RSD	.8910	.8861	.4146	.6774	.3063	.6763

#1	1275.	2564.	5021.	12350.	100200.	49740.
#2	1254.	2521.	5060.	12520.	100900.	50420.
#3	1258.	2531.	5053.	12420.	100600.	50080.

Check ? Value Range	Chk Pass					
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Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125000.	5109.	120900.	2551.	7638.	1012.
Stddev	485.	20.	2056.	21.	65.	10.
%RSD	.3882	.3872	1.701	.8340	.8524	.9940

#1	124400.	5086.	118500.	2575.	7713.	1023.
#2	125300.	5118.	122300.	2535.	7595.	1004.
#3	125200.	5122.	121800.	2542.	7607.	1008.

Check ? Value Range	Chk Pass					
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Sample Name: CCV Acquired: 8/9/2012 14:07:03 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2520.	2524.	2464.	2521.	1007.	2524.
Stddev	21.	23.	5.	23.	10.	19.
%RSD	.8306	.9006	.2128	.8952	1.027	.7408

#1	2544.	2548.	2460.	2547.	1018.	2545.
#2	2507.	2519.	2470.	2504.	997.2	2509.
#3	2509.	2504.	2462.	2512.	1005.	2518.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1009.	5045.	10170.	9991.
Stddev	7.	30.	87.	12.
%RSD	.6730	.5911	.8596	.1153

#1	1017.	5015.	10080.	9997.
#2	1005.	5075.	10250.	9978.
#3	1004.	5045.	10160.	9998.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2348.9	25987.	2419.3
Stddev	16.7	75.	9.6
%RSD	.71039	.28812	.39607

#1	2331.0	25944.	2429.8
#2	2363.9	25943.	2411.0
#3	2351.9	26073.	2417.0

Sample Name: CCB Acquired: 8/9/2012 14:10:23 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.768</b>	<b>.5124</b>	<b>-.0072</b>	<b>.4888</b>	<b>-.1242</b>	<b>2.763</b>
Stddev	28.88	1.184	.1570	.3462	.0454	16.74
%RSD	766.4	231.1	2185.	70.83	36.55	605.9
#1	35.00	1.099	-.1629	.8794	-.0718	20.19
#2	-1.750	1.289	-.0098	.2196	-.1502	-13.19
#3	-21.95	-.8504	.1511	.3674	-.1506	1.287

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0872</b>	<b>.1035</b>	<b>.2763</b>	<b>1.824</b>	<b>13.64</b>	<b>200.7</b>
Stddev	.0745	.3465	.7801	1.871	8.99	76.5
%RSD	85.42	334.9	282.3	102.6	65.94	38.11
#1	-.0189	.3591	.8461	3.232	9.407	247.7
#2	-.0760	.2421	.5956	2.538	23.97	241.9
#3	-.1666	-.2909	-.6128	-.2991	7.540	112.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13.50</b>	<b>.3757</b>	<b>81.12</b>	<b>-.3388</b>	<b>-.0956</b>	<b>1.101</b>
Stddev	7.00	.3046	12.35	.7226	1.294	3.673
%RSD	51.84	81.06	15.23	213.3	1353.	333.6
#1	18.22	.7271	88.09	.4366	-.5726	-1.305
#2	16.83	.2127	66.86	-.4597	1.369	-.7209
#3	5.460	.1873	88.42	-.9933	-1.084	5.329

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 14:10:23 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-4.439</b>	<b>-4.319</b>	<b>-.0274</b>	<b>.0010</b>	<b>3.630</b>	<b>2.654</b>
Stddev	1.192	.6793	.5421	.2265	1.171	1.520
%RSD	26.85	157.3	1981.	23600.	32.27	57.27

#1	-5.279	.3398	.5985	.2537	4.830	4.368
#2	-3.075	-.6961	-.3291	-.0671	2.489	2.123
#3	-4.963	-.9395	-.3515	-.1837	3.571	1.471

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0723</b>	<b>.4697</b>	<b>.0803</b>	<b>3.122</b>
Stddev	.9811	.5729	.7124	13.88
%RSD	1357.	122.0	887.0	444.5

#1	-.5359	1.096	.8164	19.08
#2	1.055	.3397	-.6057	-6.094
#3	-.7358	-.0271	.0302	-3.621

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2550.8</b>	<b>28199.</b>	<b>2446.2</b>
Stddev	6.9	73.	14.7
%RSD	.27032	.25900	.60227

#1	2549.5	28237.	2434.8
#2	2558.2	28245.	2462.8
#3	2544.6	28115.	2441.0

Sample Name: 460-43274-a-4-a Acquired: 8/9/2012 14:14:11 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>136.4</b>	<b>3.574</b>	<b>1.000</b>	<b>242.6</b>	<b>-.2185</b>	<b>201500.</b>
Stddev	24.3	3.130	.489	.3	.2463	893.
%RSD	17.83	87.57	48.88	.1117	112.7	.4433
#1	151.6	7.112	.6951	242.3	-.4737	200800.
#2	108.3	1.166	1.564	242.5	.0177	202500.
#3	149.2	2.445	.7417	242.9	-.1995	201200.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1311</b>	<b>.5975</b>	<b>-1.333</b>	<b>10.09</b>	<b>8.632</b>	<b>10250.</b>
Stddev	.0671	.2869	.100	7.43	11.30	39.
%RSD	51.19	48.03	7.528	73.65	130.9	.3847
#1	.1512	.9276	-1.218	2.186	-1.639	10200.
#2	.0562	.4080	-1.403	11.15	20.73	10270.
#3	.1858	.4567	-1.379	16.93	6.803	10270.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>35040.</b>	<b>2151.</b>	<b>83540.</b>	<b>2.724</b>	<b>-1.123</b>	<b>-.1963</b>
Stddev	68.	6.	325.	.492	.522	1.381
%RSD	.1932	.2944	.3885	18.08	46.43	703.5
#1	35110.	2158.	83200.	3.289	-1.724	.4871
#2	35010.	2151.	83850.	2.388	-.8539	-1.786
#3	34990.	2145.	83590.	2.495	-.7915	.7100

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43274-a-4-a Acquired: 8/9/2012 14:14:11 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>28.63</b>	<b>-2.257</b>	<b>.5010</b>	<b>3.384</b>	<b>200.7</b>	<b>1.492</b>
Stddev	1.15	1.740	.4353	.100	.9	.144
%RSD	4.011	77.10	86.89	2.959	.4411	9.628
#1	29.53	-4.046	.5844	3.306	201.1	1.628
#2	27.33	-.5705	.8887	3.497	199.7	1.507
#3	29.01	-2.154	.0300	3.348	201.4	1.342

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.5003</b>	<b>1017.</b>	<b>8.672</b>	<b>8542.</b>
Stddev	1.192	3.	1.571	74.
%RSD	238.2	.3352	18.11	.8610
#1	.4873	1014.	7.130	8627.
#2	-.6850	1021.	8.617	8500.
#3	1.699	1016.	10.27	8499.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2445.7</b>	<b>26764.</b>	<b>2469.3</b>
Stddev	7.4	138.	24.3
%RSD	.30300	.51727	.98551
#1	2438.4	26647.	2490.4
#2	2445.6	26727.	2442.7
#3	2453.2	26917.	2474.7

Sample Name: 460-43274-a-5-a Acquired: 8/9/2012 14:17:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>63.26</b>	<b>3.329</b>	<b>-.1800</b>	<b>67.32</b>	<b>-.1392</b>	<b>80240.</b>
Stddev	10.01	1.650	.7574	.33	.0491	392.
%RSD	15.82	49.58	420.7	.4906	35.28	.4882
#1	61.84	1.515	-.8827	67.43	-.1888	80280.
#2	54.03	3.730	.6223	67.58	-.1381	79840.
#3	73.90	4.742	-.2797	66.95	-.0906	80620.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0303</b>	<b>6.254</b>	<b>.1933</b>	<b>2.584</b>	<b>1432.</b>	<b>8466.</b>
Stddev	.0234	.317	.2791	4.161	15.	57.
%RSD	77.35	5.060	144.4	161.0	1.066	.6706
#1	-.0042	6.507	-.0612	-.3162	1427.	8428.
#2	-.0371	5.899	.4917	7.351	1420.	8438.
#3	-.0495	6.355	.1495	.7176	1450.	8531.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>22890.</b>	<b>811.6</b>	<b>111400.</b>	<b>49.19</b>	<b>-1.331</b>	<b>-.3295</b>
Stddev	28.	1.5	598.	1.09	1.917	1.786
%RSD	.1219	.1797	.5364	2.218	144.0	542.1
#1	22870.	811.8	111800.	49.47	-3.522	1.394
#2	22890.	810.0	110700.	50.11	.0376	-.2101
#3	22920.	812.9	111700.	47.98	-.5094	-2.173

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43274-a-5-a Acquired: 8/9/2012 14:17:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3920	-6072	1.813	28.97	99.15	2.536
Stddev	1.076	3.142	.217	.12	.85	.127
%RSD	274.4	517.4	11.96	.4258	.8562	4.998
#1	-.1397	-3.202	1.746	29.10	99.36	2.647
#2	-.3143	-1.505	2.056	28.86	99.86	2.398
#3	1.630	2.886	1.638	28.95	98.21	2.563

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-4165	447.9	4.969	13560.
Stddev	.7836	1.3	.858	26.
%RSD	188.1	.2884	17.25	.1946
#1	-.5853	447.9	3.992	13570.
#2	.4378	446.6	5.594	13580.
#3	-1.102	449.2	5.323	13530.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2499.0	27206.	2508.7
Stddev	4.7	69.	8.2
%RSD	.18657	.25378	.32826
#1	2496.8	27226.	2503.2
#2	2495.8	27263.	2518.2
#3	2504.3	27129.	2504.8

Sample Name: 460-43274-a-6-a Acquired: 8/9/2012 14:21:32 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>53.13</b>	<b>25.16</b>	<b>.4685</b>	<b>157.6</b>	<b>.0237</b>	<b>95890.</b>
Stddev	10.17	3.27	.9178	.9	.2056	495.
%RSD	19.14	12.97	195.9	.5959	866.1	.5157
#1	58.09	27.26	.6159	158.7	.2443	95330.
#2	41.43	26.83	-.5141	157.2	-.1627	96250.
#3	59.86	21.40	1.304	156.9	-.0103	96100.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0524</b>	<b>2.677</b>	<b>-.7515</b>	<b>4.076</b>	<b>2245.</b>	<b>5970.</b>
Stddev	.1206	.284	.3381	3.223	11.	55.
%RSD	230.3	10.61	44.99	79.07	.4977	.9270
#1	.1915	2.773	-.6202	2.720	2235.	5967.
#2	-.0111	2.900	-1.136	7.755	2257.	6027.
#3	-.0232	2.357	-.4987	1.752	2243.	5916.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14590.</b>	<b>2019.</b>	<b>69420.</b>	<b>1.724</b>	<b>3.329</b>	<b>.4280</b>
Stddev	26.	2.	315.	.479	1.334	2.250
%RSD	.1749	.1091	.4534	27.79	40.07	525.7
#1	14620.	2017.	69060.	2.166	3.441	1.406
#2	14580.	2022.	69590.	1.792	4.603	2.024
#3	14570.	2019.	69620.	1.215	1.942	-2.145

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43274-a-6-a Acquired: 8/9/2012 14:21:32 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-5752</b>	<b>-1.532</b>	<b>-.1314</b>	<b>5.715</b>	<b>163.1</b>	<b>3.837</b>
Stddev	2.343	.736	.0774	.043	1.6	.114
%RSD	407.4	48.05	58.90	.7429	1.002	2.981
#1	-1.494	-2.379	-.1443	5.753	164.8	3.969
#2	-2.320	-1.057	-.0483	5.724	163.0	3.762
#3	2.088	-1.159	-.2014	5.669	161.6	3.781

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-1.392</b>	<b>460.5</b>	<b>5.027</b>	<b>10590.</b>
Stddev	.579	2.6	2.094	11.
%RSD	41.61	.5543	41.64	.1042
#1	-.7315	457.6	2.636	10600.
#2	-1.813	462.1	5.919	10600.
#3	-1.631	461.9	6.528	10580.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2495.9</b>	<b>27512.</b>	<b>2502.4</b>
Stddev	4.5	76.	17.8
%RSD	.18140	.27486	.71268
#1	2491.4	27586.	2516.1
#2	2500.4	27435.	2508.8
#3	2495.9	27515.	2482.2

Sample Name: 460-43274-a-7-a Acquired: 8/9/2012 14:25:11 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>165.6</b>	<b>2.653</b>	<b>.8119</b>	<b>263.8</b>	<b>.0002</b>	<b>219500.</b>
Stddev	34.3	.718	.8191	.3	.0974	3232.
%RSD	20.70	27.06	100.9	.1146	58390.	1.472
#1	193.0	3.062	1.612	264.1	.0706	223100.
#2	176.6	3.074	.8495	263.7	-.1110	218500.
#3	127.2	1.824	-.0253	263.5	.0410	216900.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1455</b>	<b>.8187</b>	<b>-1.813</b>	<b>11.60</b>	<b>-1.409</b>	<b>11290.</b>
Stddev	.0142	.1832	.052	11.18	9.440	147.
%RSD	9.790	22.38	2.846	96.36	669.9	1.299
#1	.1296	.6104	-1.814	23.07	8.872	11410.
#2	.1501	.8905	-1.865	.7353	-9.685	11330.
#3	.1569	.9550	-1.762	11.00	-3.415	11120.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37470.</b>	<b>2337.</b>	<b>90960.</b>	<b>3.047</b>	<b>-1.794</b>	<b>1.922</b>
Stddev	25.	4.	1541.	.438	2.113	1.700
%RSD	.0676	.1688	1.695	14.37	117.8	88.46
#1	37460.	2342.	92700.	3.514	-3.268	.5636
#2	37500.	2336.	90430.	2.980	-2.740	3.829
#3	37450.	2334.	89750.	2.646	.6272	1.374

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43274-a-7-a Acquired: 8/9/2012 14:25:11 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>34.39</b>	<b>-2.901</b>	<b>.3644</b>	<b>6.804</b>	<b>215.8</b>	<b>1.400</b>
Stddev	1.12	1.105	.4793	.098	.4	.346
%RSD	3.268	38.10	131.5	1.435	.2032	24.69
#1	33.47	-1.667	-.0285	6.856	216.2	1.141
#2	35.64	-3.237	.2234	6.692	215.8	1.792
#3	34.05	-3.800	.8984	6.865	215.3	1.266

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.1204</b>	<b>1113.</b>	<b>9.747</b>	<b>9309.</b>
Stddev	1.271	15.	.808	21.
%RSD	1056.	1.388	8.286	.2292
#1	-.1915	1130.	9.453	9327.
#2	-.9656	1108.	10.66	9286.
#3	1.518	1100.	9.128	9316.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2440.6</b>	<b>26684.</b>	<b>2465.8</b>
Stddev	1.0	76.	39.4
%RSD	.03977	.28446	1.5964
#1	2441.7	26744.	2423.1
#2	2440.2	26709.	2473.8
#3	2439.9	26598.	2500.6

Sample Name: 460-43274-a-8-a Acquired: 8/9/2012 14:28:52 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-7.399</b>	<b>.0130</b>	<b>-.5082</b>	<b>-.0751</b>	<b>-.1076</b>	<b>33.97</b>
Stddev	19.81	1.137	1.263	.1249	.1121	32.45
%RSD	267.7	8767.	248.5	166.3	104.1	95.52
#1	9.873	-.3075	-.0742	.0650	-.0404	70.96
#2	-3.051	-.9298	.4802	-.1749	-.0456	10.28
#3	-29.02	1.276	-1.931	-.1155	-.2370	20.67

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0424</b>	<b>.3439</b>	<b>.1972</b>	<b>-1.999</b>	<b>6.304</b>	<b>167.5</b>
Stddev	.0249	.2223	.4635	1.183	2.173	63.0
%RSD	58.87	64.63	235.0	59.16	34.47	37.61
#1	-.0712	.3570	-.1718	-2.780	6.453	95.59
#2	-.0285	.1154	.0460	-2.579	4.060	213.0
#3	-.0275	.5593	.7175	-.6385	8.399	193.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.561</b>	<b>.3544</b>	<b>80.70</b>	<b>-.1301</b>	<b>-.0636</b>	<b>.5102</b>
Stddev	8.542	.2841	22.70	.3929	.7679	2.402
%RSD	187.3	80.16	28.13	302.0	1208.	470.8
#1	7.671	.6595	99.92	.3175	.8131	-.1029
#2	11.11	.3065	86.53	-.4184	-.6169	-1.526
#3	-5.100	.0973	55.66	-.2893	-.3869	3.159

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43274-a-8-a Acquired: 8/9/2012 14:28:52 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.123</b>	<b>.1803</b>	<b>.0993</b>	<b>1.879</b>	<b>6.601</b>	<b>.1939</b>
Stddev	2.631	.5061	.2998	.253	.408	.0965
%RSD	123.9	280.7	301.9	13.46	6.185	49.75
#1	-.7997	-.3772	.2142	1.820	6.797	.1194
#2	4.303	.3072	-.2409	2.156	6.132	.1595
#3	2.867	.6108	.3247	1.661	6.874	.3029

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.3626</b>	<b>.3140</b>	<b>.9656</b>	<b>5.328</b>
Stddev	.9543	.1884	.1713	2.323
%RSD	263.2	60.02	17.74	43.60
#1	.3903	.5308	1.090	7.960
#2	-1.436	.2204	1.036	4.463
#3	-.0422	.1906	.7703	3.562

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2621.2</b>	<b>28869.</b>	<b>2540.1</b>
Stddev	13.1	82.	2.4
%RSD	.50106	.28358	.09459
#1	2634.7	28774.	2542.8
#2	2608.5	28922.	2538.1
#3	2620.6	28910.	2539.5

Sample Name: 460-43271-a-1-a@30 Acquired: 8/9/2012 14:32:36 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5701.</b>	<b>12.88</b>	<b>26.34</b>	<b>293.0</b>	<b>.2188</b>	<b>8556.</b>
Stddev	47.	3.11	.43	.9	.1665	43.
%RSD	.8325	24.18	1.641	.3018	76.12	.5041
#1	5694.	9.365	26.14	294.1	.0506	8508.
#2	5752.	13.96	26.84	292.7	.3837	8592.
#3	5658.	15.30	26.05	292.4	.2220	8567.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.9897</b>	<b>4.985</b>	<b>142.4</b>	<b>15530.</b>	<b>16040.</b>	<b>548.9</b>
Stddev	.0558	.330	.2	109.	78.	98.9
%RSD	5.640	6.625	.1605	.6985	.4858	18.01
#1	1.010	4.605	142.1	15420.	15980.	650.1
#2	.9265	5.195	142.5	15630.	16130.	544.0
#3	1.032	5.156	142.5	15550.	16010.	452.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2303.</b>	<b>250.9</b>	<b>106.3</b>	<b>36.16</b>	<b>336.2</b>	<b>29.17</b>
Stddev	11.	.9	11.2	.41	2.5	.70
%RSD	.4779	.3590	10.57	1.127	.7565	2.399
#1	2298.	250.2	116.8	35.76	339.1	29.97
#2	2315.	251.9	107.6	36.57	335.0	28.83
#3	2295.	250.4	94.41	36.14	334.5	28.70

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43271-a-1-a@30 Acquired: 8/9/2012 14:32:36 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.697</b>	<b>-1.1197</b>	<b>16.48</b>	<b>361.4</b>	<b>2.833</b>	<b>1.082</b>
Stddev	4.396	1.928	.33	1.3	.422	.161
%RSD	93.60	1610.	2.029	.3513	14.89	14.90
#1	7.508	-0.0337	16.10	362.8	3.266	1.249
#2	-3.3692	1.763	16.62	360.9	2.423	1.070
#3	6.951	-2.089	16.73	360.5	2.811	.9274

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>27.55</b>	<b>48.99</b>	<b>246.3</b>	<b>357.2</b>
Stddev	1.10	.44	1.0	35.1
%RSD	4.001	.8979	.4098	9.821
#1	26.98	48.51	245.1	394.9
#2	26.84	49.38	247.1	351.2
#3	28.82	49.08	246.5	325.5

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2588.2</b>	<b>28711.</b>	<b>2519.0</b>
Stddev	1.6	31.	16.6
%RSD	.06160	.10679	.66015
#1	2586.9	28694.	2538.2
#2	2590.0	28694.	2509.0
#3	2587.8	28747.	2509.8

Sample Name: 460-43185-d-19-c Acquired: 8/9/2012 14:36:13 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2745	1.081	-.1338	-.0118	-.0318	25.06
Stddev	5.957	1.553	.5998	.1119	.1665	16.74
%RSD	2170.	143.7	448.4	949.5	523.1	66.82
#1	-.1480	-.7123	-.8246	.1145	-.0938	10.40
#2	6.431	1.967	.1686	-.0985	-.1585	43.31
#3	-5.460	1.987	.2547	-.0513	.1568	21.47

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0610	.2302	.1624	2.504	10.68	169.1
Stddev	.0487	.2581	.1562	5.450	9.80	19.4
%RSD	79.73	112.1	96.17	217.7	91.79	11.47
#1	-.0397	-.0679	.3413	8.710	21.99	191.2
#2	-.1167	.3810	.0923	-1.500	4.907	160.8
#3	-.0267	.3774	.0535	.3002	5.132	155.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.590	.4194	28.58	-.3889	-.9911	.3428
Stddev	2.815	.1224	9.01	.3265	1.631	.6276
%RSD	61.34	29.18	31.51	83.95	164.6	183.1
#1	7.840	.4289	24.02	-.7201	-1.174	1.064
#2	3.003	.2925	38.95	-.3793	.7237	-.0753
#3	2.926	.5368	22.77	-.0674	-2.523	.0392

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43185-d-19-c Acquired: 8/9/2012 14:36:13 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5657</b>	<b>-2.116</b>	<b>.0891</b>	<b>2.697</b>	<b>1.806</b>	<b>.1388</b>
Stddev	2.911	.5415	.2210	.132	.942	.1163
%RSD	514.5	256.0	247.9	4.886	52.19	83.76
#1	-3.897	.3437	-.1033	2.848	1.379	.0066
#2	.7145	-.7382	.0402	2.607	1.152	.1846
#3	1.485	-.2403	.3305	2.636	2.886	.2253

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3740</b>	<b>.1211</b>	<b>.7262</b>	<b>17.61</b>
Stddev	.1957	.1439	.3794	.94
%RSD	52.32	118.8	52.25	5.361
#1	.2097	-.0385	.6702	16.55
#2	.3219	.2410	1.131	17.93
#3	.5905	.1607	.3779	18.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2599.1</b>	<b>28830.</b>	<b>2496.9</b>
Stddev	.9	95.	10.4
%RSD	.03518	.33033	.41584
#1	2598.6	28737.	2508.6
#2	2600.2	28826.	2493.4
#3	2598.7	28927.	2488.7

Sample Name: 460-43269-h-2-a Acquired: 8/9/2012 14:39:58 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.66</b>	<b>.9683</b>	<b>.1453</b>	<b>-.0171</b>	<b>-.0574</b>	<b>9.711</b>
Stddev	18.98	2.975	1.029	.0425	.0770	13.52
%RSD	149.9	307.2	708.1	248.3	134.2	139.3
#1	15.90	-.2151	.7419	.0017	.0150	10.97
#2	29.80	4.353	.7366	.0127	-.0488	-4.398
#3	-7.731	-1.233	-1.043	-.0658	-.1383	22.56

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0136</b>	<b>.2851</b>	<b>.3388</b>	<b>.5468</b>	<b>50.96</b>	<b>14.75</b>
Stddev	.0433	.0314	.4270	.7000	5.62	6.91
%RSD	318.6	11.01	126.0	128.0	11.03	46.85
#1	.0470	.3150	.2380	.8008	55.05	22.15
#2	.0291	.2524	-.0288	1.084	44.56	8.465
#3	-.0353	.2879	.8071	-.2447	53.28	13.63

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.647</b>	<b>.5243</b>	<b>28.67</b>	<b>.0319</b>	<b>.1123</b>	<b>.7246</b>
Stddev	3.761	.0227	3.73	.3929	.9342	2.112
%RSD	103.1	4.323	13.01	1231.	831.7	291.5
#1	3.279	.5358	30.28	.3123	-.8707	-1.697
#2	.0832	.4982	24.40	-.4172	.2190	1.685
#3	7.578	.5389	31.31	.2007	.9887	2.186

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-2-a Acquired: 8/9/2012 14:39:58 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.289</b>	<b>.2721</b>	<b>.1112</b>	<b>.7615</b>	<b>2.524</b>	<b>-.3506</b>
Stddev	1.620	2.668	.6837	.0805	.545	.1206
%RSD	70.77	980.8	614.9	10.57	21.60	34.40
#1	2.319	-1.855	.1327	.7149	2.132	-.3858
#2	.6543	-.5945	-.5830	.7150	3.146	-.2164
#3	3.894	3.266	.7839	.8544	2.294	-.4498

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.054</b>	<b>.1955</b>	<b>1.545</b>	<b>15.87</b>
Stddev	.813	.1345	2.091	22.75
%RSD	77.14	68.80	135.3	143.4
#1	1.988	.0510	1.378	36.30
#2	.6672	.3171	3.714	19.94
#3	.5061	.2186	-.4567	-8.648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2607.6</b>	<b>28765.</b>	<b>2510.2</b>
Stddev	9.1	150.	11.1
%RSD	.34778	.52155	.44346
#1	2607.0	28703.	2498.5
#2	2617.0	28655.	2511.4
#3	2598.9	28936.	2520.7

Sample Name: 460-43269-h-3-a Acquired: 8/9/2012 14:43:42 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17.46</b>	<b>1.810</b>	<b>-.0262</b>	<b>36.37</b>	<b>-.2059</b>	<b>20240.</b>
Stddev	4.30	1.553	1.025	.15	.0568	51.
%RSD	24.66	85.79	3907.	.4157	27.57	.2535
#1	16.11	3.383	-1.192	36.42	-.2572	20240.
#2	13.98	1.768	.7359	36.49	-.2155	20300.
#3	22.27	.2784	.3773	36.20	-.1449	20190.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0632</b>	<b>.6857</b>	<b>1.303</b>	<b>-.8469</b>	<b>36.04</b>	<b>4915.</b>
Stddev	.0927	.0609	.507	2.461	5.46	22.
%RSD	146.6	8.885	38.95	290.6	15.14	.4440
#1	-.1220	.6204	.7380	1.734	29.75	4896.
#2	.0436	.6959	1.449	-3.167	39.46	4939.
#3	-.1113	.7409	1.720	-1.107	38.92	4910.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5104.</b>	<b>106.8</b>	<b>25550.</b>	<b>.6622</b>	<b>.3745</b>	<b>-.2228</b>
Stddev	16.	.4	30.	.4378	1.924	1.782
%RSD	.3121	.3554	.1185	66.12	513.7	800.1
#1	5109.	106.4	25580.	1.167	2.003	1.442
#2	5117.	107.2	25540.	.3853	.8691	-2.103
#3	5086.	106.9	25520.	.4343	-1.748	-.0068

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-3-a Acquired: 8/9/2012 14:43:42 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.236</b>	<b>-0.9940</b>	<b>.3095</b>	<b>1.629</b>	<b>72.16</b>	<b>-0.0023</b>
Stddev	2.140	3.041	.3482	.092	.57	.4455
%RSD	66.14	305.9	112.5	5.624	.7837	19200.
#1	-3.819	1.407	.1683	1.666	72.80	.4338
#2	-5.024	-4.414	.7061	1.525	71.73	-.4567
#3	-.8644	.0248	.0540	1.696	71.95	.0159

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.6209</b>	<b>101.1</b>	<b>3.713</b>	<b>2085.</b>
Stddev	1.068	.6	1.448	28.
%RSD	172.0	.5598	38.99	1.354
#1	.1837	100.7	4.557	2074.
#2	-.2138	101.7	2.041	2117.
#3	-1.833	100.8	4.542	2064.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2558.0</b>	<b>28121.</b>	<b>2494.8</b>
Stddev	6.0	10.	14.1
%RSD	.23650	.03595	.56696
#1	2562.0	28112.	2505.4
#2	2551.0	28132.	2500.1
#3	2560.9	28119.	2478.7

Sample Name: 460-43269-h-5-a Acquired: 8/9/2012 14:47:25 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>103.0</b>	<b>1.633</b>	<b>-.1026</b>	<b>58.61</b>	<b>.0766</b>	<b>12050.</b>
Stddev	16.0	.550	.8441	.72	.0690	64.
%RSD	15.52	33.69	822.9	1.227	90.07	.5303
#1	90.28	1.119	-1.002	59.39	.1090	12110.
#2	97.74	2.213	.6725	58.47	-.0026	12050.
#3	120.9	1.566	.0216	57.97	.1234	11980.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3450</b>	<b>8.526</b>	<b>.1214</b>	<b>-.2596</b>	<b>40.20</b>	<b>5206.</b>
Stddev	.1032	.237	.2114	3.447	10.68	137.
%RSD	29.91	2.785	174.1	1328.	26.58	2.632
#1	.4642	8.793	.1611	2.278	49.67	5059.
#2	.2823	8.340	.3101	1.127	42.32	5230.
#3	.2887	8.444	-.1070	-4.184	28.62	5330.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5130.</b>	<b>791.6</b>	<b>19050.</b>	<b>1.640</b>	<b>.7653</b>	<b>.8154</b>
Stddev	12.	.6	105.	.174	.3019	1.833
%RSD	.2325	.0793	.5515	10.60	39.45	224.8
#1	5135.	792.3	19120.	1.836	1.086	1.015
#2	5117.	791.5	19090.	1.578	.7243	-1.109
#3	5139.	791.0	18930.	1.505	.4860	2.540

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-5-a Acquired: 8/9/2012 14:47:25 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.600</b>	<b>-6228</b>	<b>.2017</b>	<b>11.64</b>	<b>77.71</b>	<b>.1094</b>
Stddev	1.336	.9909	.3895	.29	.52	.3351
%RSD	83.52	159.1	193.1	2.452	.6660	306.3
#1	-.0957	-1.761	.1628	11.96	77.66	.2356
#2	-2.054	.0457	.6092	11.51	77.22	-.2705
#3	-2.649	-.1528	-.1669	11.44	78.25	.3631

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4557</b>	<b>59.04</b>	<b>3.049</b>	<b>2956.</b>
Stddev	.6488	.20	.812	41.
%RSD	142.4	.3353	26.63	1.375
#1	.0515	59.26	2.420	3002.
#2	-.2317	58.98	3.966	2939.
#3	-1.187	58.88	2.762	2926.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2564.5</b>	<b>28400.</b>	<b>2500.3</b>
Stddev	13.3	78.	15.8
%RSD	.52007	.27530	.63012
#1	2549.3	28310.	2500.2
#2	2574.0	28437.	2484.7
#3	2570.4	28453.	2516.2

Sample Name: CCV Acquired: 8/9/2012 14:51:08 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125300.	2498.	1241.	9969.	997.7	126300.
Stddev	191.	10.	2.	15.	4.6	621.
%RSD	.1522	.4104	.1268	.1503	.4573	.4917

#1	125400.	2488.	1241.	9953.	1002.	127000.
#2	125100.	2497.	1239.	9972.	997.5	126100.
#3	125500.	2508.	1242.	9983.	993.3	125800.

Check ? Value Range	Chk Pass					
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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1250.	2519.	5007.	12450.	100000.	49880.
Stddev	2.	3.	20.	32.	307.	164.
%RSD	.1655	.1254	.3956	.2592	.3071	.3286

#1	1248.	2516.	4998.	12470.	99840.	50070.
#2	1250.	2520.	4994.	12460.	99810.	49770.
#3	1252.	2522.	5030.	12410.	100400.	49800.

Check ? Value Range	Chk Pass					
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Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124000.	5088.	125200.	2527.	7560.	1003.
Stddev	543.	11.	489.	6.	11.	6.
%RSD	.4380	.2156	.3905	.2551	.1440	.5859

#1	123700.	5099.	125800.	2519.	7550.	1008.
#2	123700.	5077.	124900.	2530.	7560.	996.8
#3	124600.	5089.	124900.	2531.	7571.	1005.

Check ? Value Range	Chk Pass					
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Sample Name: CCV Acquired: 8/9/2012 14:51:08 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2504.	2505.	2446.	2495.	1001.	2504.
Stddev	8.	5.	6.	2.	2.	10.
%RSD	.3223	.2038	.2358	.0767	.1660	.3806

#1	2497.	2503.	2442.	2493.	999.4	2493.
#2	2502.	2501.	2443.	2496.	1003.	2508.
#3	2513.	2510.	2452.	2497.	1001.	2511.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	5048.	10160.	9953.
Stddev	1.	18.	10.	21.
%RSD	.1486	.3566	.0941	.2097

#1	1004.	5069.	10170.	9966.
#2	1001.	5037.	10150.	9965.
#3	1001.	5038.	10170.	9929.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2376.6	26168.	2439.3
Stddev	5.4	43.	3.8
%RSD	.22793	.16261	.15768

#1	2371.1	26139.	2435.0
#2	2376.7	26217.	2442.3
#3	2381.9	26147.	2440.6

Sample Name: CCB Acquired: 8/9/2012 14:54:27 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.240</b>	<b>1.156</b>	<b>-.1778</b>	<b>.5515</b>	<b>-.0483</b>	<b>3.360</b>
Stddev	14.63	2.309	.8360	.3868	.3038	13.01
%RSD	158.3	199.8	470.2	70.14	628.7	387.1

#1	9.381	1.011	-1.136	.9809	.0831	13.84
#2	23.79	3.534	.1969	.4432	.1676	-11.20
#3	-5.457	-1.078	.4053	.2304	-.3956	7.430

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0080</b>	<b>.2312</b>	<b>.0860</b>	<b>.9999</b>	<b>13.17</b>	<b>131.1</b>
Stddev	.0612	.1517	.6511	5.132	13.83	71.3
%RSD	763.2	65.65	757.1	513.2	105.0	54.40

#1	.0170	.1471	.7217	2.989	29.07	166.9
#2	.0643	.4063	.1159	-4.829	3.942	48.97
#3	-.0572	.1400	-.5796	4.839	6.493	177.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.998</b>	<b>.4240</b>	<b>33.44</b>	<b>.2547</b>	<b>-.4572</b>	<b>-.3075</b>
Stddev	8.602	.2525	29.29	.3461	1.978	1.393
%RSD	86.04	59.56	87.57	135.9	432.7	452.9

#1	18.79	.7095	66.88	.5657	1.400	.7939
#2	9.605	.3324	21.09	-.1182	-.2341	.1565
#3	1.599	.2301	12.36	.3165	-2.537	-1.873

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 14:54:27 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.297</b>	<b>1.129</b>	<b>-.1609</b>	<b>.1066</b>	<b>1.682</b>	<b>2.318</b>
Stddev	2.859	1.684	.4413	.2582	1.596	1.429
%RSD	124.5	149.2	274.2	242.3	94.88	61.64

#1	-4.882	2.195	-.0902	.3486	3.452	3.844
#2	.7740	-.8123	.2407	.1363	.3555	2.099
#3	-2.783	2.002	-.6333	-.1652	1.237	1.011

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.2804</b>	<b>.4264</b>	<b>3.726</b>	<b>-6.934</b>
Stddev	1.384	.3954	2.724	12.05
%RSD	493.5	92.75	73.11	173.8

#1	-1.751	.8499	6.858	6.982
#2	.9953	.3622	2.412	-13.95
#3	-.0854	.0669	1.908	-13.84

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2570.9</b>	<b>28461.</b>	<b>2485.5</b>
Stddev	7.5	77.	7.1
%RSD	.29327	.26919	.28449

#1	2562.2	28375.	2493.6
#2	2574.8	28523.	2482.3
#3	2575.6	28486.	2480.5

Sample Name: 460-43269-h-6-a Acquired: 8/9/2012 14:58:14 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>318.6</b>	<b>-5285</b>	<b>-4320</b>	<b>57.84</b>	<b>.0248</b>	<b>15510.</b>
Stddev	19.5	1.022	.4316	.08	.0613	131.
%RSD	6.132	193.4	99.91	.1352	247.1	.8462
#1	321.8	-9166	-1311	57.75	.0915	15390.
#2	297.6	.6308	-.9266	57.85	-.0290	15490.
#3	336.3	-1.300	-.2385	57.90	.0118	15650.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2721</b>	<b>2.835</b>	<b>1.192</b>	<b>1.471</b>	<b>131.9</b>	<b>5076.</b>
Stddev	.0775	.205	.241	2.781	4.3	45.
%RSD	28.50	7.244	20.24	189.0	3.298	.8807
#1	.3443	3.053	1.436	-.4543	127.3	5057.
#2	.1902	2.645	1.187	.2081	136.0	5127.
#3	.2818	2.807	.9534	4.659	132.2	5044.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5010.</b>	<b>765.0</b>	<b>20600.</b>	<b>.1565</b>	<b>.7743</b>	<b>.5854</b>
Stddev	6.	1.4	159.	.4382	1.052	3.654
%RSD	.1159	.1815	.7691	280.1	135.9	624.2
#1	5011.	763.5	20510.	-.3396	-.2001	-3.628
#2	5004.	765.2	20520.	.4912	.6334	2.885
#3	5015.	766.2	20790.	.3177	1.890	2.499

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-6-a Acquired: 8/9/2012 14:58:14 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0050	.5557	.1605	6.066	87.59	.2175
Stddev	5.757	1.410	.5352	.056	.94	.4388
%RSD	116200.	253.7	333.5	.9263	1.075	201.8
#1	3.180	1.611	.0699	6.002	87.25	.7095
#2	-6.651	-1.045	-.3237	6.091	86.87	.0765
#3	3.455	1.101	.7352	6.105	88.66	-.1335

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6463	67.89	2.591	3372.
Stddev	.5028	.50	.124	22.
%RSD	77.79	.7350	4.798	.6511
#1	.3056	67.52	2.590	3395.
#2	1.224	67.69	2.467	3369.
#3	.4095	68.46	2.716	3351.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2584.5	28380.	2540.0
Stddev	11.1	181.	29.4
%RSD	.42771	.63872	1.1590
#1	2592.0	28488.	2554.2
#2	2589.7	28482.	2559.7
#3	2571.8	28171.	2506.1

Sample Name: 460-43269-h-7-a Acquired: 8/9/2012 15:01:55 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>382.8</b>	<b>4.291</b>	<b>-.2234</b>	<b>62.26</b>	<b>.0034</b>	<b>16550.</b>
Stddev	10.4	.140	.3180	.22	.1101	35.
%RSD	2.717	3.264	142.4	.3524	3223.	.2098
#1	377.9	4.431	-.3516	62.50	-.1032	16520.
#2	394.8	4.151	-.4573	62.06	.1166	16590.
#3	375.8	4.290	.1387	62.23	-.0032	16540.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1019</b>	<b>5.050</b>	<b>21.34</b>	<b>3.489</b>	<b>390.5</b>	<b>3712.</b>
Stddev	.0802	.456	.70	5.438	8.9	46.
%RSD	78.70	9.023	3.268	155.9	2.286	1.246
#1	.0706	5.575	21.96	2.987	398.3	3712.
#2	.1931	4.805	21.46	9.160	392.6	3758.
#3	.0421	4.769	20.58	-1.681	380.8	3665.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4155.</b>	<b>193.4</b>	<b>22780.</b>	<b>3.185</b>	<b>1.239</b>	<b>-.2543</b>
Stddev	9.	.4	55.	.511	1.749	2.882
%RSD	.2198	.2305	.2395	16.04	141.1	1134.
#1	4152.	193.8	22720.	2.860	-.5853	1.913
#2	4165.	193.5	22830.	3.774	2.901	-3.525
#3	4147.	193.0	22780.	2.921	1.402	.8501

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-7-a Acquired: 8/9/2012 15:01:55 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.862</b>	<b>.2740</b>	<b>.1362</b>	<b>15.65</b>	<b>51.78</b>	<b>.3018</b>
Stddev	2.773	1.183	.5160	.26	.65	.1394
%RSD	149.0	431.7	378.9	1.645	1.256	46.18
#1	3.473	-4.774	-.3193	15.73	51.03	.3015
#2	-1.341	1.637	.0312	15.36	52.15	.4413
#3	3.452	-.3381	.6966	15.85	52.17	.1625

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.5447</b>	<b>73.92</b>	<b>3.463</b>	<b>2026.</b>
Stddev	.6081	.14	.030	33.
%RSD	111.6	.1853	.8794	1.635
#1	-1.243	73.79	3.459	2063.
#2	-.1300	74.06	3.495	1998.
#3	-.2613	73.89	3.435	2017.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2561.8</b>	<b>28092.</b>	<b>2502.1</b>
Stddev	8.8	106.	11.2
%RSD	.34299	.37703	.44640
#1	2551.6	28046.	2507.7
#2	2566.5	28016.	2489.2
#3	2567.1	28213.	2509.3

Sample Name: 460-43269-h-8-a Acquired: 8/9/2012 15:05:35 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>152.8</b>	<b>1.048</b>	<b>.2239</b>	<b>64.37</b>	<b>-.0910</b>	<b>19040.</b>
Stddev	12.9	1.415	.6713	.08	.2112	47.
%RSD	8.433	135.1	299.9	.1279	232.2	.2474
#1	138.2	.8648	.7143	64.46	-.2743	19080.
#2	162.8	-.2671	.4986	64.36	-.1387	19040.
#3	157.3	2.545	-.5412	64.30	.1400	18980.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1290</b>	<b>2.334</b>	<b>37.93</b>	<b>-.2500</b>	<b>419.6</b>	<b>4083.</b>
Stddev	.0063	.183	.98	1.853	11.4	50.
%RSD	4.919	7.843	2.578	741.2	2.724	1.225
#1	.1331	2.539	39.06	1.398	431.4	4035.
#2	.1321	2.188	37.34	-2.256	408.5	4079.
#3	.1217	2.275	37.40	.1081	419.0	4135.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4250.</b>	<b>137.3</b>	<b>22490.</b>	<b>12.00</b>	<b>.4900</b>	<b>1.297</b>
Stddev	47.	1.3	67.	.32	1.106	1.421
%RSD	1.095	.9591	.2976	2.662	225.8	109.6
#1	4303.	138.8	22520.	12.33	-.2231	2.918
#2	4216.	136.3	22540.	11.70	1.765	.2681
#3	4230.	136.8	22410.	11.95	-.0715	.7030

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-8-a Acquired: 8/9/2012 15:05:35 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2.476</b>	<b>.1088</b>	<b>.0513</b>	<b>3.051</b>	<b>59.72</b>	<b>.7621</b>
Stddev	3.247	1.447	.4445	.304	.70	.0832
%RSD	131.1	1329.	866.1	9.966	1.166	10.92
#1	.6875	.4737	-.2331	2.951	60.50	.8012
#2	-5.800	1.338	-.1765	3.392	59.16	.6665
#3	-2.317	-1.485	.5636	2.809	59.50	.8187

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9367</b>	<b>86.68</b>	<b>4.148</b>	<b>1789.</b>
Stddev	.7476	.12	1.988	22.
%RSD	79.82	.1333	47.93	1.232
#1	.4957	86.75	5.074	1801.
#2	1.800	86.74	5.504	1764.
#3	.5144	86.55	1.866	1803.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2560.7</b>	<b>28023.</b>	<b>2507.8</b>
Stddev	1.6	192.	6.0
%RSD	.06274	.68622	.23863
#1	2562.5	27804.	2501.5
#2	2560.4	28166.	2508.6
#3	2559.3	28098.	2513.4

Sample Name: 460-43269-h-9-a Acquired: 8/9/2012 15:09:16 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>43.43</b>	<b>-.8863</b>	<b>.1838</b>	<b>37.13</b>	<b>-.1583</b>	<b>20430.</b>
Stddev	29.04	2.065	.4649	.03	.1151	96.
%RSD	66.87	233.0	252.9	.0924	72.72	.4713
#1	13.76	-2.642	-.1603	37.14	-.2606	20320.
#2	71.80	1.390	.7127	37.09	-.1806	20480.
#3	44.74	-1.406	-.0010	37.15	-.0337	20490.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0816</b>	<b>.6336</b>	<b>-.0788</b>	<b>-.0752</b>	<b>37.89</b>	<b>4930.</b>
Stddev	.0737	.3178	.6752	1.376	5.37	82.
%RSD	90.36	50.15	857.3	1829.	14.16	1.672
#1	-.0035	.5178	.2741	1.108	43.97	5025.
#2	.1224	.3900	.3469	.2512	33.81	4884.
#3	.1259	.9931	-.8573	-1.585	35.89	4882.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5196.</b>	<b>107.9</b>	<b>25810.</b>	<b>.2048</b>	<b>-.5014</b>	<b>-2.257</b>
Stddev	11.	.4	117.	.0972	.8482	2.230
%RSD	.2107	.3847	.4522	47.48	169.2	98.80
#1	5195.	107.4	25670.	.1500	-.4209	-1.121
#2	5207.	108.0	25890.	.1474	-1.387	-.8241
#3	5185.	108.2	25860.	.3171	.3037	-4.826

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-9-a Acquired: 8/9/2012 15:09:16 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1522	1.249	.0588	1.915	74.08	.1024
Stddev	2.410	.712	.6413	.183	1.27	.3595
%RSD	1583.	56.96	1091.	9.536	1.714	350.9
#1	2.928	2.012	-.3884	2.121	74.77	.4287
#2	-1.065	.6042	-.2288	1.771	74.85	-.2829
#3	-1.406	1.131	.7936	1.854	72.61	.1616

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.0458	101.9	2.881	2094.
Stddev	.2579	.5	1.313	17.
%RSD	562.9	.4444	45.57	.8033
#1	.1984	101.3	1.646	2111.
#2	-.2519	102.1	4.260	2077.
#3	.1909	102.2	2.737	2094.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2536.8	28000.	2474.4
Stddev	4.2	116.	9.2
%RSD	.16695	.41422	.37172
#1	2537.8	28116.	2485.0
#2	2532.1	27884.	2469.1
#3	2540.4	28000.	2469.0

Sample Name: 460-43269-h-10-a Acquired: 8/9/2012 15:12:58 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>387.5</b>	<b>1.476</b>	<b>-.0844</b>	<b>41.53</b>	<b>.2074</b>	<b>18670.</b>
Stddev	10.4	1.942	1.015	.07	.2450	108.
%RSD	2.686	131.6	1202.	.1599	118.1	.5789
#1	376.8	2.010	1.080	41.50	.0331	18790.
#2	397.6	3.095	-.5534	41.48	.4875	18580.
#3	388.3	-.6775	-.7798	41.60	.1015	18640.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1757</b>	<b>3.014</b>	<b>36.43</b>	<b>5.336</b>	<b>1266.</b>	<b>3509.</b>
Stddev	.0410	.214	1.28	4.325	17.	22.
%RSD	23.37	7.095	3.512	81.05	1.382	.6251
#1	.1348	2.798	37.36	.4276	1280.	3485.
#2	.2169	3.019	34.97	6.995	1271.	3515.
#3	.1753	3.226	36.97	8.587	1246.	3528.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4546.</b>	<b>223.3</b>	<b>24070.</b>	<b>3.387</b>	<b>2.038</b>	<b>.4940</b>
Stddev	28.	1.8	167.	.628	.416	1.913
%RSD	.6073	.7937	.6943	18.54	20.44	387.2
#1	4575.	225.3	24250.	3.265	1.870	.7104
#2	4520.	222.1	23930.	2.830	1.731	2.289
#3	4545.	222.4	24030.	4.067	2.512	-1.518

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43269-h-10-a Acquired: 8/9/2012 15:12:58 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7969	1.274	.1010	19.37	51.93	.6360
Stddev	1.081	1.638	.1027	.11	.91	.4860
%RSD	135.7	128.5	101.7	.5650	1.758	76.42
#1	.0824	.8057	.2135	19.41	50.92	.0759
#2	2.041	3.095	.0123	19.46	52.69	.9460
#3	.2676	-.0783	.0770	19.25	52.19	.8860

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5431	82.50	3.009	1726.
Stddev	.5812	.39	1.366	7.
%RSD	107.0	.4720	45.41	.4089
#1	-1.069	82.74	2.404	1721.
#2	-.6408	82.05	2.049	1734.
#3	.0808	82.70	4.573	1723.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2551.6	27972.	2486.6
Stddev	1.3	101.	23.0
%RSD	.05191	.35968	.92596
#1	2550.1	27891.	2469.3
#2	2552.3	28084.	2512.8
#3	2552.4	27940.	2477.9

Sample Name: 460-43235-c-5-a Acquired: 8/9/2012 15:16:40 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.49</b>	<b>3.681</b>	<b>-.5107</b>	<b>-.0315</b>	<b>.0863</b>	<b>10.00</b>
Stddev	3.80	3.082	1.260	.0488	.0846	7.19
%RSD	30.45	83.74	246.8	155.1	98.05	71.88
#1	11.09	7.217	.5617	.0020	.1691	16.70
#2	9.586	1.566	-1.899	-.0875	.0899	10.91
#3	16.79	2.259	-.1950	-.0089	.0000	2.402

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0166</b>	<b>.1074</b>	<b>.0019</b>	<b>1.854</b>	<b>-6.216</b>	<b>54.62</b>
Stddev	.0853	.1029	.3125	1.156	6.474	31.45
%RSD	513.2	95.88	16590.	62.38	104.2	57.58
#1	.0346	.1139	.1641	2.736	.2703	79.44
#2	.0914	.2068	-.3583	.5447	-12.68	19.25
#3	-.0762	.0013	.1999	2.280	-6.240	65.18

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.243</b>	<b>.1445</b>	<b>27.20</b>	<b>-.1444</b>	<b>-.6955</b>	<b>3.367</b>
Stddev	5.217	.0808	6.46	.6323	.3091	1.747
%RSD	419.6	55.93	23.75	438.0	44.44	51.89
#1	-4.658	.1809	21.81	.5841	-.3452	1.385
#2	3.146	.0519	34.37	-.5507	-.8114	4.035
#3	5.242	.2008	25.43	-.4666	-.9298	4.682

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43235-c-5-a Acquired: 8/9/2012 15:16:40 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.784</b>	<b>1.063</b>	<b>-.1069</b>	<b>.6335</b>	<b>1.955</b>	<b>-.0789</b>
Stddev	3.990	1.912	.3041	.1516	.630	.3304
%RSD	223.7	179.9	284.5	23.93	32.25	418.8
#1	-5.411	.8009	.1876	.7950	2.429	-.0678
#2	2.490	-.7043	-.0886	.6111	1.239	.2458
#3	-2.431	3.092	-.4197	.4944	2.195	-.4146

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.8935</b>	<b>.0205</b>	<b>2.266</b>	<b>26.30</b>
Stddev	.9227	.0178	1.988	6.91
%RSD	103.3	87.16	87.73	26.27
#1	1.943	.0149	3.027	18.61
#2	.2101	.0404	3.760	28.28
#3	.5272	.0061	.0098	31.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2584.0</b>	<b>28648.</b>	<b>2486.5</b>
Stddev	.7	140.	3.8
%RSD	.02591	.48812	.15315
#1	2583.4	28727.	2487.1
#2	2583.9	28731.	2490.0
#3	2584.7	28487.	2482.4

Sample Name: 460-43234-a-2-a Acquired: 8/9/2012 15:20:25 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>278.8</b>	<b>1.055</b>	<b>.0263</b>	<b>6.254</b>	<b>-.0570</b>	<b>9241.</b>
Stddev	21.9	2.214	.4776	.187	.1398	66.
%RSD	7.867	209.9	1814.	2.983	245.1	.7126
#1	280.1	.2586	.5704	6.134	.1024	9311.
#2	256.2	-.6509	-.1671	6.469	-.1149	9181.
#3	300.1	3.556	-.3243	6.160	-.1585	9230.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0140</b>	<b>.1674</b>	<b>1.287</b>	<b>124.5</b>	<b>35.75</b>	<b>1132.</b>
Stddev	.1732	.1817	.683	3.5	4.28	98.
%RSD	1240.	108.6	53.07	2.786	11.98	8.651
#1	.1597	-.0246	1.046	126.0	35.26	1237.
#2	.0598	.3367	.7570	127.0	40.25	1043.
#3	-.1775	.1900	2.058	120.5	31.73	1116.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17110.</b>	<b>1.091</b>	<b>42420.</b>	<b>21.31</b>	<b>.9252</b>	<b>1.923</b>
Stddev	178.	.071	263.	.30	.7510	3.074
%RSD	1.041	6.533	.6190	1.387	81.17	159.9
#1	17310.	1.169	42680.	21.45	.0600	5.211
#2	17030.	1.029	42150.	21.52	1.408	-.8804
#3	16980.	1.074	42440.	20.97	1.308	1.438

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43234-a-2-a Acquired: 8/9/2012 15:20:25 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9968	-5698	22.54	34.29	281.4	5.527
Stddev	2.629	.7328	.27	.09	1.9	.240
%RSD	263.7	128.6	1.200	.2693	.6865	4.338
#1	-.5767	-1.030	22.85	34.29	279.7	5.731
#2	-.4648	-.9547	22.39	34.38	283.5	5.588
#3	4.032	.2753	22.39	34.20	281.1	5.263

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.8633	36.71	2.197	10070.
Stddev	.3017	.25	2.352	83.
%RSD	34.95	.6691	107.0	.8219
#1	.5897	36.97	4.867	9975.
#2	.8133	36.48	.4322	10130.
#3	1.187	36.68	1.292	10110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2529.2	27748.	2450.7
Stddev	11.2	165.	20.5
%RSD	.44355	.59534	.83756
#1	2542.1	27557.	2431.8
#2	2523.9	27841.	2472.5
#3	2521.5	27846.	2447.8

Sample Name: 460-43231-a-3-a@4 Acquired: 8/9/2012 15:24:08 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 284300.	48.48	5.694	439.3	3.489	29880.
Stddev	538.	1.13	.242	2.8	.112	36.
%RSD	.1891	2.327	4.247	.6398	3.204	.1211

#1	284800.	49.66	5.974	439.0	3.414	29920.
#2	283700.	47.41	5.556	442.3	3.434	29870.
#3	284300.	48.37	5.553	436.7	3.617	29850.

Check ?	Chk Fail	Chk Pass				
High Limit	250000.					
Low Limit	-200.0					

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4135	36.82	94.20	179.2	89290.	4659.
Stddev	.1501	.05	.48	4.2	197.	49.
%RSD	36.31	.1357	.5071	2.335	.2205	1.050

#1	.2937	36.86	94.56	181.0	89410.	4692.
#2	.3648	36.84	94.39	182.1	89390.	4603.
#3	.5819	36.77	93.66	174.4	89060.	4683.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	15030.	F 13280.	802.4	83.89	108.5	-1.670
Stddev	30.	79.	18.7	.58	1.0	2.239
%RSD	.1987	.5926	2.331	.6933	.8910	134.0

#1	15060.	13330.	817.4	83.97	108.2	-4.169
#2	15040.	13190.	808.3	84.43	107.8	.1543
#3	15000.	13320.	781.4	83.27	109.6	-.9963

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10000.				
Low Limit		-15.00				

Sample Name: 460-43231-a-3-a@4 Acquired: 8/9/2012 15:24:08 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.386</b>	<b>-14.45</b>	<b>122.9</b>	<b>397.4</b>	<b>46.17</b>	<b>8.068</b>
Stddev	1.496	3.40	.5	2.2	.49	.227
%RSD	44.17	23.51	.3671	.5623	1.064	2.808
#1	-2.397	-17.74	123.0	396.6	46.55	8.319
#2	-2.654	-10.96	123.3	399.9	46.35	7.878
#3	-5.106	-14.65	122.4	395.6	45.62	8.006

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>57.82</b>	<b>133.7</b>	<b>1118.</b>	<b>3386.</b>
Stddev	1.15	.3	7.	90.
%RSD	1.984	.2512	.5870	2.671
#1	56.70	134.1	1125.	3448.
#2	58.99	133.6	1112.	3428.
#3	57.77	133.5	1117.	3282.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2593.3</b>	<b>28201.</b>	<b>2543.8</b>
Stddev	17.3	61.	8.7
%RSD	.66669	.21750	.34124
#1	2588.8	28137.	2541.4
#2	2578.7	28259.	2553.4
#3	2612.4	28206.	2536.5

Sample Name: 460-42952-a-1-c@4 Acquired: 8/9/2012 15:27:52 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 343600.	222.7	234.7	297.8	2.902	98380.
Stddev	1674.	2.9	.9	1.3	.078	399.
%RSD	.4871	1.293	.3767	.4273	2.682	.4051

#1	342200.	225.9	233.9	299.2	2.828	98200.
#2	345500.	221.9	235.6	297.2	2.983	98830.
#3	343100.	220.3	234.4	296.9	2.895	98100.

Check ?	Chk Fail	Chk Pass				
High Limit	250000.					
Low Limit	-200.0					

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.74	89.28	1435.	F 128300.	F 281200.	7969.
Stddev	.14	.45	.3.	593.	506.	51.
%RSD	1.065	.4996	.2426	.4620	.1799	.6418

#1	12.87	89.44	1432.	128200.	281100.	8026.
#2	12.76	89.63	1438.	128900.	281700.	7956.
#3	12.60	88.78	1434.	127700.	280700.	7926.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit	25000.			25000.	200000.	
Low Limit	-50.00			-50.00	-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	16290.	1622.	841.1	F 16380.	F 130500.	F 6200.
Stddev	51.	5.	31.1	75.	490.	23.
%RSD	.3130	.2812	3.696	.4594	.3759	.3704

#1	16230.	1625.	807.9	16460.	131000.	6225.
#2	16320.	1624.	869.5	16380.	130400.	6193.
#3	16320.	1617.	845.9	16310.	130000.	6181.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit	5000.			5000.	15000.	
Low Limit	-50.00			-50.00	-10.00	

Sample Name: 460-42952-a-1-c@4 Acquired: 8/9/2012 15:27:52 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F <b>11.65</b>	<b>2.393</b>	<b>190.7</b>	F <b>181500.</b>	. <b>1786</b>	<b>-5.967</b>
Stddev	7.08	3.866	.5	741.	1.640	.236
%RSD	60.82	161.6	.2695	.4085	918.0	3.948
#1	-18.64	.2423	190.2	180900.	1.970	-6.077
#2	-11.82	.0805	191.2	181300.	-1.248	-5.697
#3	-4.478	6.855	190.8	182300.	-.1860	-6.128
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	5000.			5000.		
Low Limit	-10.00			-50.00		
Elem	Sn1899	Sr4077	Ti3349	Si2881		
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}		
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)		
Units	ppb	ppb	ppb	ppb		
Avg	F <b>34610.</b>	<b>809.6</b>	<b>1886.</b>	<b>1912.</b>		
Stddev	155.	3.7	8.	31.		
%RSD	.4470	.4524	.4317	1.646		
#1	34770.	808.5	1877.	1940.		
#2	34610.	813.7	1890.	1920.		
#3	34460.	806.6	1892.	1878.		
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass		
High Limit	2000.					
Low Limit	-50.00					
Int. Std.	Y_2243	Y_3600	Y_3710			
Line	224.306 {450}	360.073 { 94}	371.030 { 91}			
Units	Cts/S	Cts/S	Cts/S			
Avg	<b>2439.9</b>	<b>27423.</b>	<b>2535.2</b>			
Stddev	8.5	85.	10.3			
%RSD	.34693	.30936	.40767			
#1	2430.1	27387.	2538.2			
#2	2444.7	27363.	2523.7			
#3	2444.8	27520.	2543.7			

Sample Name: 460-42952-a-2-c@4 Acquired: 8/9/2012 15:31:27 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2228.</b>	<b>4004.</b>	<b>177.5</b>	<b>1053.</b>	<b>.0018</b>	<b>2012.</b>
Stddev	46.	3.	.8	1.	.2072	13.
%RSD	2.079	.0847	.4420	.1412	11800.	.6599

#1	2281.	4001.	177.5	1054.	.1900	2026.
#2	2200.	4008.	176.7	1051.	-.2202	2011.
#3	2202.	4004.	178.3	1053.	.0355	2000.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.3267</b>	<b>254.6</b>	<b>30.60</b>	<b>4306.</b>	<b>F 1034000.</b>	<b>2856.</b>
Stddev	.6318	.2	.44	.26	5714.	49.
%RSD	193.4	.0851	1.429	.6078	.5527	1.708

#1	-.6967	254.8	30.75	4333.	1038000.	2799.
#2	.4028	254.7	30.11	4281.	1027000.	2882.
#3	-.6864	254.4	30.94	4303.	1036000.	2886.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-56.64</b>	<b>107.2</b>	<b>322.8</b>	<b>33.94</b>	<b>F 55390.</b>	<b>1837.</b>
Stddev	5.86	.2	25.1	.52	84.	9.
%RSD	10.35	.1967	7.772	1.532	.1513	.5056

#1	-60.88	107.3	339.7	34.00	55360.	1840.
#2	-49.95	106.9	294.0	33.39	55490.	1845.
#3	-59.10	107.3	334.7	34.42	55330.	1827.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-42952-a-2-c@4 Acquired: 8/9/2012 15:31:27 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>F -13.42</b>	<b>79.93</b>	<b>113.6</b>	<b>2384.</b>	<b>-5.187</b>	<b>23.81</b>
Stddev	6.71	2.65	.6	10.	.980	.41
%RSD	50.01	3.318	.4934	.4168	18.88	1.727
#1	-11.08	82.08	113.3	2394.	-4.399	23.35
#2	-20.99	76.96	114.2	2385.	-6.284	24.14
#3	-8.191	80.74	113.2	2374.	-4.880	23.93

Check ?	Chk Fail	Chk Pass				
High Limit	5000.					
Low Limit	-10.00					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>548.5</b>	<b>266.9</b>	<b>899.9</b>	<b>1478.</b>
Stddev	2.5	1.4	4.3	51.
%RSD	.4498	.5310	.4800	3.465
#1	551.3	268.3	904.5	1529.
#2	547.8	265.4	899.1	1478.
#3	546.5	267.1	896.0	1426.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2433.3</b>	<b>27064.</b>	<b>2431.1</b>
Stddev	3.1	105.	2.1
%RSD	.12881	.38702	.08638
#1	2434.8	26997.	2428.8
#2	2435.4	27185.	2432.8
#3	2429.7	27011.	2431.8

Sample Name: CCV Acquired: 8/9/2012 15:35:07 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126100.	2487.	1237.	9983.	1002.	126800.
Stddev	492.	3.	2.	5.	4.	536.
%RSD	.3904	.1054	.1745	.0452	.4046	.4226

#1	126300.	2489.	1236.	9986.	1003.	127100.
#2	126500.	2488.	1236.	9978.	1006.	127200.
#3	125600.	2484.	1240.	9985.	997.7	126200.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1250.	2524.	5010.	12480.	99840.	50090.
Stddev	1.	4.	10.	58.	62.	173.
%RSD	.0566	.1599	.2045	.4676	.0618	.3445

#1	1251.	2528.	5004.	12530.	99850.	50040.
#2	1249.	2523.	5004.	12500.	99770.	50280.
#3	1250.	2520.	5021.	12410.	99890.	49950.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123800.	5088.	127000.	2533.	7558.	1006.
Stddev	204.	5.	699.	4.	6.	9.
%RSD	.1646	.1074	.5506	.1494	.0843	.8641

#1	123600.	5091.	127300.	2538.	7565.	1011.
#2	123700.	5082.	127500.	2531.	7556.	1011.
#3	124000.	5092.	126200.	2532.	7553.	996.4

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/9/2012 15:35:07 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2486.	2496.	2433.	2496.	998.5	2505.
Stddev	2.	2.	7.	2.	4.4	3.
%RSD	.0880	.0863	.2772	.0911	.4383	.1326

#1	2487.	2496.	2427.	2499.	1003.	2502.
#2	2484.	2497.	2432.	2494.	993.8	2506.
#3	2488.	2493.	2440.	2496.	999.2	2508.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	5065.	10210.	9930.
Stddev	2.	20.	24.	89.
%RSD	.2026	.3932	.2354	.8984

#1	1005.	5071.	10220.	9843.
#2	1002.	5081.	10230.	9927.
#3	1001.	5043.	10180.	10020.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2359.1	26154.	2405.9
Stddev	.8	77.	15.7
%RSD	.03522	.29387	.65271

#1	2358.1	26226.	2395.4
#2	2359.7	26163.	2398.4
#3	2359.4	26073.	2423.9

Sample Name: CCB Acquired: 8/9/2012 15:38:27 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.7472</b>	<b>.8922</b>	<b>.1020</b>	<b>.3411</b>	<b>.1545</b>	<b>5.648</b>
Stddev	6.356	1.576	.2005	.3720	.1552	14.99
%RSD	850.6	176.6	196.5	109.1	100.5	265.5
#1	-4.495	.8465	.0205	.7701	.2738	21.77
#2	6.591	-.6601	.3304	.1450	.2107	3.057
#3	-4.338	2.490	-.0449	.1082	-.0210	-7.882

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0448</b>	<b>.3082</b>	<b>.4667</b>	<b>1.859</b>	<b>22.60</b>	<b>93.36</b>
Stddev	.0494	.2728	.3502	1.876	17.30	65.69
%RSD	110.3	88.50	75.04	100.9	76.57	70.36
#1	.0525	-.0044	.1463	-.2454	41.67	168.8
#2	.0899	.4976	.8405	2.464	7.919	62.82
#3	-.0080	.4316	.4132	3.358	18.20	48.50

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.610</b>	<b>.3392</b>	<b>-7.388</b>	<b>.0390</b>	<b>.4038</b>	<b>1.065</b>
Stddev	8.329	.1708	13.09	.4138	.8935	1.963
%RSD	109.5	50.35	177.2	1060.	221.3	184.3
#1	15.47	.5363	-19.54	.5153	-.5064	3.304
#2	8.484	.2345	6.475	-.1664	1.280	-.3624
#3	-1.122	.2468	-9.105	-.2318	.4381	.2537

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 15:38:27 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.443</b>	<b>1.091</b>	<b>-.0647</b>	<b>.1819</b>	<b>2.615</b>	<b>2.781</b>
Stddev	4.392	.911	.6700	.1837	.713	1.276
%RSD	304.3	83.50	1035.	101.0	27.25	45.87

#1	2.745	.2909	-.2800	.3488	3.433	4.230
#2	-6.014	.8994	.6865	.2116	2.276	2.289
#3	-1.062	2.082	-.6006	-.0149	2.135	1.826

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3393</b>	<b>.4650</b>	<b>2.188</b>	<b>-11.35</b>
Stddev	.5949	.2785	2.163	20.53
%RSD	175.3	59.89	98.88	180.8

#1	1.024	.7715	4.514	-23.37
#2	.0472	.3963	.2377	-23.04
#3	-.0531	.2273	1.811	12.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2552.8</b>	<b>28392.</b>	<b>2479.6</b>
Stddev	8.6	105.	6.7
%RSD	.33521	.36965	.26958

#1	2542.9	28496.	2486.0
#2	2556.8	28394.	2472.7
#3	2558.5	28286.	2480.1

Sample Name: 460-43271-d-4-a@4 Acquired: 8/9/2012 15:42:14 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>68680.</b>	<b>16.55</b>	<b>-1.378</b>	<b>383.6</b>	<b>2.637</b>	<b>4810.</b>
Stddev	714.	2.50	1.030	.4	.216	40.
%RSD	1.039	15.09	74.74	.1046	8.194	.8306
#1	67920.	17.09	-2.482	383.6	2.450	4765.
#2	69330.	18.74	-4432	384.0	2.588	4841.
#3	68810.	13.83	-1.209	383.2	2.873	4823.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5237</b>	<b>23.78</b>	<b>80.21</b>	<b>81.41</b>	<b>83420.</b>	<b>2926.</b>
Stddev	.1063	.45	.08	1.86	295.	18.
%RSD	20.29	1.900	.0969	2.281	.3541	.6111
#1	-.6330	23.65	80.14	80.97	83180.	2936.
#2	-.4207	23.40	80.21	79.81	83750.	2936.
#3	-.5173	24.28	80.30	83.44	83340.	2905.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10070.</b>	<b>597.3</b>	<b>443.4</b>	<b>50.02</b>	<b>56.13</b>	<b>-.1507</b>
Stddev	41.	3.1	10.5	.32	1.03	3.029
%RSD	.4025	.5202	2.380	.6457	1.840	2010.
#1	10050.	593.9	437.4	49.74	54.97	-2.860
#2	10120.	600.0	437.2	50.38	56.95	-.7105
#3	10050.	597.9	455.6	49.95	56.47	3.119

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43271-d-4-a@4 Acquired: 8/9/2012 15:42:14 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7759	-2.018	125.0	170.1	26.88	1.337
Stddev	.9282	1.318	.7	.5	1.01	.191
%RSD	119.6	65.29	.5406	.3153	3.738	14.26
#1	.9883	-5274	124.4	169.9	27.33	1.542
#2	1.580	-2.500	125.7	170.7	25.73	1.303
#3	-.2400	-3.027	124.8	169.7	27.58	1.165

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	3.988	65.43	803.2	1934.
Stddev	1.362	.42	6.5	15.
%RSD	34.14	.6396	.8098	.7835
#1	2.432	64.97	796.6	1920.
#2	4.960	65.56	809.6	1932.
#3	4.574	65.77	803.5	1950.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2637.4	28910.	2605.7
Stddev	2.6	158.	14.4
%RSD	.09770	.54790	.55206
#1	2640.2	28856.	2622.2
#2	2635.2	28785.	2595.9
#3	2636.8	29088.	2598.9

Sample Name:	460-43231-a-1-d@4	Acquired:	8/9/2012 15:45:51	Type:	Unk	
Method:	SW8460080712(v2)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	109600.	24.74	-1.491	91.89	1.927	2271.
Stddev	726.	1.19	.263	.38	.115	26.
%RSD	.6621	4.828	17.61	.4097	5.963	1.139
#1	108700.	24.76	-1.188	92.13	2.020	2241.
#2	110000.	25.92	-1.643	92.09	1.799	2288.
#3	110000.	23.53	-1.642	91.46	1.963	2284.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-1.357	18.89	30.80	60.20	199000.	207.4
Stddev	.094	.17	.50	1.79	1307.	24.7
%RSD	6.940	.9001	1.624	2.970	.6566	11.89
#1	-1.280	19.01	30.23	58.56	198200.	179.4
#2	-1.329	18.96	31.11	59.93	200500.	225.9
#3	-1.462	18.69	31.08	62.11	198300.	216.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	373.0	3409.	13.31	28.46	32.59	-4.144
Stddev	7.1	29.	14.55	.89	.83	3.400
%RSD	1.908	.8368	109.4	3.139	2.545	82.06
#1	374.8	3378.	14.53	28.58	32.83	-.7101
#2	379.0	3434.	27.21	29.30	33.27	-4.211
#3	365.1	3415.	-1.821	27.52	31.67	-7.510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43231-a-1-d@4 Acquired: 8/9/2012 15:45:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-5.017</b>	<b>-1.920</b>	<b>26.38</b>	<b>124.7</b>	<b>6.933</b>	<b>1.308</b>
Stddev	4.734	.920	.63	.5	.803	.142
%RSD	94.36	47.90	2.376	.4078	11.58	10.85
#1	-6.567	-2.248	25.71	124.4	7.285	1.455
#2	-8.782	-.8814	26.47	125.3	6.015	1.171
#3	.2976	-2.631	26.96	124.4	7.501	1.298

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>4.073</b>	<b>47.35</b>	<b>61.90</b>	<b>1267.</b>
Stddev	1.094	.27	1.68	12.
%RSD	26.86	.5741	2.719	.9212
#1	4.741	47.17	61.54	1260.
#2	4.668	47.66	63.73	1281.
#3	2.811	47.22	60.42	1261.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2574.9</b>	<b>28468.</b>	<b>2526.9</b>
Stddev	7.1	133.	24.1
%RSD	.27618	.46689	.95556
#1	2581.4	28449.	2552.6
#2	2567.3	28345.	2523.4
#3	2576.0	28609.	2504.7

Sample Name: 460-43231-a-2-d@4 Acquired: 8/9/2012 15:49:29 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>119800.</b>	<b>34.95</b>	<b>.9299</b>	<b>103.0</b>	<b>.3324</b>	<b>2177.</b>
Stddev	326.	2.62	.2755	.4	.0716	3.
%RSD	.2716	7.507	29.63	.4270	21.54	.1425
#1	119900.	32.15	.6811	102.9	.2843	2179.
#2	120100.	37.36	1.226	103.5	.4147	2178.
#3	119400.	35.35	.8826	102.6	.2983	2173.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.1226</b>	<b>9.341</b>	<b>13.56</b>	<b>73.20</b>	<b>25030.</b>	<b>495.4</b>
Stddev	.0502	.375	.06	1.09	87.	81.6
%RSD	40.98	4.016	.4464	1.482	.3468	16.48
#1	-.1799	9.414	13.52	72.97	25060.	585.2
#2	-.0862	8.935	13.53	74.39	25100.	425.7
#3	-.1018	9.674	13.63	72.26	24930.	475.3

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>375.0</b>	<b>4073.</b>	<b>253.2</b>	<b>44.98</b>	<b>5.674</b>	<b>.9793</b>
Stddev	3.0	10.	11.2	.70	.996	.9324
%RSD	.7922	.2430	4.423	1.553	17.55	95.21
#1	377.3	4066.	245.5	45.71	6.474	-.0593
#2	376.1	4085.	248.0	44.32	5.988	1.253
#3	371.6	4069.	266.0	44.90	4.559	1.744

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43231-a-2-d@4 Acquired: 8/9/2012 15:49:29 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9820	-5.118	19.05	69.37	8.975	1.137
Stddev	1.685	.555	.13	.32	1.668	.253
%RSD	171.6	10.84	.6811	.4645	18.58	22.24
#1	.3796	-4.484	19.15	69.56	9.097	1.285
#2	-.3186	-5.515	19.10	69.56	10.58	1.282
#3	2.885	-5.354	18.90	69.00	7.250	.8453

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.7533	52.28	49.49	1147.
Stddev	.9733	.12	1.65	13.
%RSD	129.2	.2381	3.327	1.156
#1	1.865	52.15	48.10	1146.
#2	.0572	52.39	49.06	1162.
#3	.3372	52.29	51.31	1135.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2558.7	28167.	2446.8
Stddev	2.6	95.	5.5
%RSD	.10348	.33890	.22589
#1	2558.1	28153.	2453.1
#2	2556.3	28079.	2444.9
#3	2561.6	28268.	2442.5

Sample Name: 460-43184-e-4-b du Acquired: 8/9/2012 15:53:10 Type: Unk  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>50.05</b>	<b>2.260</b>	<b>-.4300</b>	<b>71.56</b>	<b>-.0971</b>	<b>40010.</b>
Stddev	47.97	1.776	.7727	.20	.2434	459.
%RSD	95.84	78.59	179.7	.2737	250.6	1.146

#1	104.9	.2092	.4364	71.40	.1579	40540.
#2	29.06	3.309	-1.048	71.50	-.1223	39790.
#3	16.15	3.261	-.6788	71.78	-.3269	39710.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0221</b>	<b>.3833</b>	<b>-.2610</b>	<b>-.0366</b>	<b>48.50</b>	<b>5815.</b>
Stddev	.0813	.3060	.5912	2.130	4.45	98.
%RSD	367.5	79.85	226.5	5815.	9.182	1.682
#1	-.0546	.2832	.3829	-2.271	46.94	5914.
#2	.0137	.1398	-.7793	1.970	45.03	5811.
#3	.1073	.7268	-.3865	.1920	53.52	5719.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14510.</b>	<b>4.691</b>	<b>52400.</b>	<b>1.408</b>	<b>-.4384</b>	<b>1.294</b>
Stddev	41.	.422	679.	.851	1.093	2.302
%RSD	.2849	9.002	1.296	60.42	249.2	177.9
#1	14560.	5.169	53170.	2.386	.0636	3.416
#2	14480.	4.537	52130.	1.008	-1.692	1.620
#3	14500.	4.368	51890.	.8315	.3129	-1.153

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43184-e-4-b du Acquired: 8/9/2012 15:53:10 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.473</b>	<b>-4.098</b>	<b>.0301</b>	<b>2.632</b>	<b>117.0</b>	<b>1.384</b>
Stddev	2.427	1.509	.3584	.302	.3	.026
%RSD	164.7	368.2	1192.	11.47	.2524	1.855
#1	1.213	-.0455	-.3248	2.296	117.4	1.358
#2	-3.507	.8835	.0231	2.879	116.8	1.410
#3	-2.125	-2.067	.3919	2.722	116.9	1.384

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4114</b>	<b>324.2</b>	<b>3.338</b>	<b>738.3</b>
Stddev	.8979	3.3	2.211	12.2
%RSD	218.3	1.017	66.25	1.656
#1	-1.438	328.0	.9159	742.5
#2	-.0243	322.8	5.249	748.0
#3	.2282	321.8	3.848	724.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2555.1</b>	<b>28017.</b>	<b>2439.1</b>
Stddev	11.8	168.	17.2
%RSD	.46150	.59819	.70326
#1	2567.0	28161.	2419.4
#2	2554.8	28057.	2447.7
#3	2543.5	27833.	2450.4

Sample Name: 460-43184-e-4-a Acquired: 8/9/2012 15:56:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36.70</b>	<b>1.505</b>	<b>.0033</b>	<b>71.83</b>	<b>.0485</b>	<b>40080.</b>
Stddev	18.06	.316	.4402	.11	.1873	615.
%RSD	49.21	20.98	13140.	.1533	385.9	1.535
#1	34.78	1.598	-.0139	71.91	.2634	40780.
#2	19.67	1.765	.4519	71.71	-.0381	39800.
#3	55.64	1.154	-.4280	71.89	-.0798	39650.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0205</b>	<b>.1735</b>	<b>-.1522</b>	<b>.0538</b>	<b>36.22</b>	<b>5906.</b>
Stddev	.1452	.3677	.2118	3.697	12.90	27.
%RSD	708.5	211.9	139.2	6878.	35.63	.4616
#1	-.1689	-.1052	.0911	-3.313	50.82	5937.
#2	.1213	.5903	-.2958	-.5352	26.35	5892.
#3	-.0139	.0355	-.2518	4.010	31.49	5888.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14600.</b>	<b>4.313</b>	<b>52450.</b>	<b>1.647</b>	<b>-1.131</b>	<b>-1.355</b>
Stddev	63.	.066	756.	.264	.366	1.629
%RSD	.4304	1.530	1.442	16.03	32.38	120.2
#1	14650.	4.388	53310.	1.374	-1.427	-.0516
#2	14620.	4.268	52150.	1.667	-.7215	-.8322
#3	14530.	4.282	51890.	1.901	-1.246	-3.182

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43184-e-4-a Acquired: 8/9/2012 15:56:51 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.025</b>	<b>2.154</b>	<b>.3119</b>	<b>3.043</b>	<b>118.2</b>	<b>1.278</b>
Stddev	1.859	.126	.1739	.216	.6	.126
%RSD	61.44	5.837	55.76	7.095	.5362	9.843
#1	-2.435	2.294	.4283	3.056	118.9	1.213
#2	-5.107	2.118	.3953	3.251	117.7	1.423
#3	-1.533	2.051	.1120	2.820	118.0	1.199

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-1.056</b>	<b>325.3</b>	<b>1.443</b>	<b>758.5</b>
Stddev	.433	4.9	2.921	20.9
%RSD	41.02	1.515	202.4	2.752
#1	-1.372	330.9	-1.517	748.2
#2	-.5621	323.4	4.325	782.6
#3	-1.232	321.5	1.521	744.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2544.0</b>	<b>27863.</b>	<b>2442.2</b>
Stddev	8.9	138.	18.7
%RSD	.35031	.49584	.76549
#1	2545.2	28021.	2420.8
#2	2552.3	27764.	2455.5
#3	2534.6	27805.	2450.3

Sample Name: sd 460-43184-e-4-a@5 Acquired: 8/9/2012 16:00:33 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-4.359</b>	<b>1.541</b>	<b>.0911</b>	<b>14.20</b>	<b>-.0466</b>	<b>7909.</b>
Stddev	15.38	2.792	.3628	.22	.1874	36.
%RSD	352.8	181.2	398.4	1.528	402.5	.4520
#1	-13.81	-.0904	.4699	14.26	-.1034	7950.
#2	-12.65	4.765	-.2531	14.37	.1627	7883.
#3	13.38	-.0525	.0563	13.95	-.1989	7894.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0569</b>	<b>.3096</b>	<b>-.4165</b>	<b>1.627</b>	<b>5.267</b>	<b>1179.</b>
Stddev	.0654	.1354	.7500	1.958	11.87	8.
%RSD	114.9	43.74	180.1	120.3	225.4	.6832
#1	-.1239	.4654	.2915	1.441	-4.381	1171.
#2	-.0536	.2429	-.3385	-.2313	18.52	1179.
#3	.0068	.2205	-1.202	3.671	1.660	1187.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2898.</b>	<b>.9086</b>	<b>10440.</b>	<b>.1154</b>	<b>-.8339</b>	<b>1.245</b>
Stddev	26.	.1037	30.	.2681	1.218	1.283
%RSD	.9089	11.42	.2892	232.3	146.0	103.1
#1	2927.	.9547	10480.	-.1924	-2.094	.9399
#2	2890.	.9814	10420.	.2404	-.7430	2.653
#3	2876.	.7898	10430.	.2981	.3356	.1409

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43184-e-4-a@5 Acquired: 8/9/2012 16:00:33 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.000</b>	<b>2.706</b>	<b>-.2407</b>	<b>.9429</b>	<b>22.84</b>	<b>.3862</b>
Stddev	3.177	2.500	.6843	.0549	.69	.1609
%RSD	317.7	92.37	284.3	5.827	3.032	41.66
#1	-3.997	3.782	.2428	.9949	23.24	.4575
#2	-1.334	4.488	.0588	.9484	23.23	.4991
#3	2.330	-.1514	-1.024	.8855	22.04	.2020

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0446</b>	<b>64.18</b>	<b>2.019</b>	<b>134.9</b>
Stddev	.2349	.47	.326	13.8
%RSD	526.9	.7314	16.13	10.23
#1	.1666	64.72	1.978	120.1
#2	-.2976	63.87	2.364	147.4
#3	-.0027	63.95	1.716	137.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2540.7</b>	<b>28118.</b>	<b>2429.5</b>
Stddev	8.4	154.	10.0
%RSD	.33170	.54655	.41364
#1	2531.1	27941.	2418.4
#2	2544.5	28190.	2437.9
#3	2546.6	28222.	2432.3

Sample Name: 460-43184-e-4-c.ms Acquired: 8/9/2012 16:04:16 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2051.	1973.	49.19	2050.	52.09	59430.
Stddev	32.	5.	.45	6.	.67	580.
%RSD	1.550	.2655	.9117	.2859	1.292	.9765
#1	2076.	1967.	49.42	2044.	52.86	60090.
#2	2016.	1977.	49.47	2056.	51.75	59180.
#3	2062.	1973.	48.67	2050.	51.65	59020.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.85	510.8	203.3	253.9	1051.	25800.
Stddev	.17	1.1	1.9	5.6	8.	307.
%RSD	.3416	.2224	.9422	2.206	.7411	1.190
#1	50.67	509.6	205.4	260.3	1048.	26120.
#2	50.86	511.8	202.7	251.3	1059.	25770.
#3	51.02	511.1	201.7	250.0	1044.	25510.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	33830.	532.6	71250.	516.6	509.0	487.7
Stddev	193.	4.1	703.	1.3	1.3	1.6
%RSD	.5696	.7779	.9864	.2481	.2554	.3362
#1	34040.	537.1	72060.	515.5	507.8	485.8
#2	33780.	531.7	70950.	518.0	510.4	488.7
#3	33660.	529.0	70750.	516.4	508.7	488.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43184-e-4-c.ms Acquired: 8/9/2012 16:04:16 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1999.	2078.	486.6	513.2	626.5	492.4
Stddev	4.	10.	4.7	2.2	1.9	2.9
%RSD	.2200	.4916	.9576	.4336	.3100	.5815
#1	1995.	2067.	491.8	511.2	624.5	489.4
#2	2004.	2086.	485.4	515.6	626.7	495.1
#3	1999.	2080.	482.7	512.8	628.4	492.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	507.3	814.3	521.3	798.8
Stddev	2.7	7.7	8.2	8.7
%RSD	.5279	.9495	1.569	1.091
#1	504.2	823.0	530.5	803.4
#2	508.8	811.8	518.6	788.7
#3	508.9	808.1	514.8	804.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2513.2	27504.	2449.1
Stddev	11.1	42.	2.3
%RSD	.44221	.15363	.09561
#1	2525.0	27553.	2446.9
#2	2511.8	27485.	2451.6
#3	2502.9	27475.	2448.7

Sample Name: pds 460-43184-e-4-a Acquired: 8/9/2012 16:07:43 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2054.</b>	<b>1953.</b>	<b>46.98</b>	<b>2036.</b>	<b>51.63</b>	<b>59120.</b>
Stddev	64.	6.	.64	1.	.65	545.
%RSD	3.126	.3110	1.361	.0609	1.257	.9220
#1	2128.	1950.	46.63	2037.	52.29	59710.
#2	2020.	1949.	46.59	2036.	50.99	58630.
#3	2014.	1960.	47.72	2035.	51.62	59030.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>50.54</b>	<b>509.8</b>	<b>200.9</b>	<b>258.8</b>	<b>1043.</b>	<b>25620.</b>
Stddev	.07	1.1	.8	7.4	16.	88.
%RSD	.1363	.2175	.3878	2.852	1.537	.3444
#1	50.62	508.6	201.0	266.4	1042.	25690.
#2	50.48	510.0	200.1	251.7	1028.	25520.
#3	50.53	510.8	201.7	258.3	1060.	25650.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>33590.</b>	<b>526.7</b>	<b>71060.</b>	<b>514.2</b>	<b>504.3</b>	<b>490.6</b>
Stddev	103.	.4	570.	.4	1.7	1.1
%RSD	.3057	.0808	.8024	.0838	.3292	.2273
#1	33660.	527.1	71660.	514.1	505.8	490.2
#2	33470.	526.6	70530.	513.9	502.5	489.8
#3	33630.	526.3	71000.	514.7	504.6	491.9

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43184-e-4-a Acquired: 8/9/2012 16:07:43 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1996.	2066.	479.5	509.6	688.7	491.2
Stddev	9.	8.	2.1	.4	1.5	1.5
%RSD	.4300	.4001	.4374	.0782	.2248	.2974
#1	1987.	2072.	481.2	509.4	687.0	489.6
#2	1998.	2056.	477.2	510.1	689.9	491.2
#3	2004.	2068.	480.1	509.3	689.3	492.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	505.0	810.9	519.0	1295.
Stddev	1.2	6.1	4.8	14.
%RSD	.2355	.7501	.9160	1.060
#1	503.6	817.2	522.5	1292.
#2	505.4	805.1	513.6	1309.
#3	505.9	810.5	520.9	1282.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2507.2	27587.	2447.5
Stddev	8.9	117.	23.8
%RSD	.35542	.42418	.97203
#1	2513.9	27642.	2427.2
#2	2510.5	27666.	2473.7
#3	2497.1	27452.	2441.6

Sample Name: 460-43184-d-1-b Acquired: 8/9/2012 16:11:09 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>68.20</b>	<b>6.042</b>	<b>.3752</b>	<b>83.82</b>	<b>-.1174</b>	<b>65380.</b>
Stddev	20.52	.917	.1296	.69	.1111	395.
%RSD	30.09	15.17	34.54	.8178	94.60	.6046
#1	79.29	6.773	.2282	84.55	-.0340	65470.
#2	80.78	6.341	.4731	83.71	-.0747	65730.
#3	44.52	5.013	.4243	83.19	-.2436	64950.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0430</b>	<b>-.2330</b>	<b>.1593</b>	<b>3.057</b>	<b>25.38</b>	<b>35910.</b>
Stddev	.0192	.1371	.6677	.282	9.04	249.
%RSD	44.53	58.84	419.0	9.221	35.64	.6930
#1	.0469	-.0774	-.4206	2.809	25.84	35650.
#2	.0222	-.3362	.8892	3.364	34.18	36150.
#3	.0600	-.2852	.0094	2.999	16.11	35930.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>89570.</b>	<b>8.670</b>	<b>F 702200.</b>	<b>2.596</b>	<b>2.435</b>	<b>1.165</b>
Stddev	261.	.063	23670.	.361	2.120	1.291
%RSD	.2913	.7262	3.371	13.91	87.10	110.8
#1	89410.	8.611	727400.	2.382	4.879	-.2887
#2	89870.	8.736	698800.	2.394	1.090	1.605
#3	89420.	8.664	680400.	3.013	1.335	2.179

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit			250000. -5000.			

Sample Name: 460-43184-d-1-b Acquired: 8/9/2012 16:11:09 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.106</b>	<b>-6726</b>	<b>1.453</b>	<b>4.518</b>	<b>572.2</b>	<b>3.754</b>
Stddev	1.684	.8260	.259	.107	4.1	.568
%RSD	79.94	122.8	17.81	2.377	.7213	15.14
#1	-1.107	-1.570	1.745	4.629	576.9	4.409
#2	-1.161	.0552	1.250	4.509	570.4	3.388
#3	-4.050	-.5027	1.365	4.414	569.3	3.464

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9354</b>	<b>759.2</b>	<b>3.208</b>	<b>911.0</b>
Stddev	.7071	6.0	1.475	14.5
%RSD	75.60	.7922	45.99	1.596
#1	-.8000	758.3	3.181	927.6
#2	-.3057	765.7	1.746	900.2
#3	-1.700	753.8	4.697	905.3

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2363.5</b>	<b>25560.</b>	<b>2416.6</b>
Stddev	3.3	128.	16.9
%RSD	.13860	.50070	.69774
#1	2359.8	25701.	2416.4
#2	2364.4	25530.	2399.9
#3	2366.2	25450.	2433.6

Sample Name: lcs 460-123230/2-a Acquired: 8/9/2012 16:14:49 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2024.</b>	<b>1962.</b>	<b>48.73</b>	<b>2006.</b>	<b>51.52</b>	<b>20980.</b>
Stddev	23.	6.	1.38	9.	.29	180.
%RSD	1.136	.2893	2.823	.4407	.5610	.8560
#1	2004.	1955.	47.42	1998.	51.60	20930.
#2	2050.	1966.	50.16	2016.	51.76	21180.
#3	2019.	1964.	48.60	2005.	51.20	20840.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>51.77</b>	<b>519.3</b>	<b>204.1</b>	<b>257.7</b>	<b>1029.</b>	<b>20170.</b>
Stddev	.28	2.2	.2	1.6	15.	135.
%RSD	.5502	.4158	.0832	.6158	1.463	.6700
#1	51.56	517.8	204.0	256.9	1015.	20090.
#2	52.09	521.7	204.3	259.5	1045.	20330.
#3	51.65	518.3	204.0	256.7	1027.	20090.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>19690.</b>	<b>533.7</b>	<b>20550.</b>	<b>525.9</b>	<b>522.5</b>	<b>497.3</b>
Stddev	28.	1.0	72.	2.9	3.1	5.4
%RSD	.1437	.1904	.3487	.5538	.5994	1.090
#1	19660.	532.8	20520.	523.5	520.7	491.2
#2	19710.	534.8	20640.	529.1	526.1	501.5
#3	19700.	533.6	20500.	525.1	520.8	499.3

Check ?	Chk Pass					
Value Range						

Sample Name: lcs 460-123230/2-a Acquired: 8/9/2012 16:14:49 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2020.	2157.	483.8	516.9	517.7	493.3
Stddev	5.	3.	1.2	1.8	2.3	3.7
%RSD	.2660	.1207	.2521	.3432	.4443	.7598
#1	2014.	2155.	484.6	515.3	515.2	489.0
#2	2024.	2157.	482.4	518.8	519.8	496.0
#3	2022.	2160.	484.5	516.7	518.0	495.0

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	515.5	502.4	521.7	F 44.90
Stddev	2.2	3.1	3.4	23.01
%RSD	.4308	.6161	.6531	51.24
#1	513.2	500.5	518.3	23.71
#2	517.7	506.0	525.1	69.37
#3	515.7	500.8	521.7	41.63

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value Range				2000. -15.00%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2578.2	28401.	2501.1
Stddev	13.9	154.	21.2
%RSD	.54049	.54216	.84705
#1	2589.1	28579.	2524.0
#2	2562.5	28326.	2482.3
#3	2582.9	28300.	2497.1

Sample Name: CCV Acquired: 8/9/2012 16:18:18 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	126800.	2507.	1238.	9986.	1016.	127500.
Stddev	315.	7.	2.	5.	3.	401.
%RSD	.2480	.2843	.1892	.0484	.3213	.3144

#1	126700.	2498.	1237.	9981.	1020.	127500.
#2	126600.	2511.	1236.	9987.	1013.	127100.
#3	127200.	2511.	1241.	9991.	1015.	127900.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1251.	2545.	4995.	12590.	99200.	50290.
Stddev	.	2.	6.	34.	125.	158.
%RSD	.0261	.0826	.1289	.2665	.1262	.3140

#1	1251.	2547.	4988.	12620.	99080.	50220.
#2	1251.	2545.	5001.	12550.	99330.	50180.
#3	1252.	2543.	4996.	12610.	99190.	50470.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	5102.	126600.	2547.	7547.	1015.
Stddev	245.	5.	606.	4.	1.	7.
%RSD	.1998	.0939	.4789	.1524	.0193	.7074

#1	122300.	5097.	126500.	2551.	7548.	1016.
#2	122700.	5103.	126000.	2543.	7545.	1007.
#3	122800.	5107.	127200.	2546.	7546.	1021.

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/9/2012 16:18:18 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2531.	2490.	2409.	2499.	1013.	2518.
Stddev	9.	4.	3.	2.	4.	5.
%RSD	.3540	.1498	.1142	.0717	.3544	.1910

#1	2521.	2490.	2406.	2498.	1009.	2513.
#2	2538.	2486.	2412.	2498.	1016.	2519.
#3	2533.	2494.	2408.	2501.	1015.	2523.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1008.	5121.	10330.	10140.
Stddev	5.	15.	29.	29.
%RSD	.5189	.2918	.2797	.2826

#1	1007.	5135.	10340.	10180.
#2	1003.	5105.	10300.	10130.
#3	1014.	5122.	10350.	10120.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2346.6	26247.	2413.1
Stddev	6.8	77.	6.1
%RSD	.29157	.29280	.25085

#1	2340.6	26161.	2412.6
#2	2345.2	26273.	2419.5
#3	2354.1	26308.	2407.4

Sample Name: CCB Acquired: 8/9/2012 16:21:38 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.344</b>	<b>2.545</b>	<b>-2.775</b>	<b>.5126</b>	<b>-.0331</b>	<b>13.46</b>
Stddev	15.87	2.367	.9190	.3680	.0915	11.63
%RSD	365.4	93.01	331.1	71.80	276.1	86.39
#1	18.64	.0839	.3248	.9359	-.0808	25.70
#2	-12.74	2.746	.1780	.3325	-.0910	12.11
#3	7.133	4.805	-1.335	.2693	.0724	2.566

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0672</b>	<b>.2531</b>	<b>.5397</b>	<b>-.4323</b>	<b>19.35</b>	<b>62.30</b>
Stddev	.0719	.1181	.3250	1.294	2.80	99.70
%RSD	107.0	46.66	60.22	299.4	14.46	160.0
#1	.1501	.3886	.4504	.9812	22.48	156.0
#2	.0297	.1990	.9000	-.7186	17.08	73.44
#3	.0218	.1718	.2687	-1.559	18.49	-42.50

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.43</b>	<b>.3429</b>	<b>132.7</b>	<b>.3292</b>	<b>1.352</b>	<b>.5221</b>
Stddev	6.95	.4175	49.4	.1958	.685	1.212
%RSD	55.94	121.8	37.26	59.46	50.67	232.2
#1	20.21	.8104	189.4	.5503	.5735	-.4930
#2	10.27	.2113	109.7	.2596	1.619	.1949
#3	6.817	.0071	98.95	.1779	1.863	1.865

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 16:21:38 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.672</b>	<b>-2.196</b>	<b>-.1864</b>	<b>.0470</b>	<b>4.074</b>	<b>2.856</b>
Stddev	2.327	1.473	.7692	.0756	1.297	1.863
%RSD	139.1	670.8	412.6	160.8	31.84	65.25

#1	-.4546	-.5586	.7001	-.0201	5.565	4.912
#2	-.2070	1.393	-.6775	.1289	3.448	2.376
#3	-4.355	-1.493	-.5818	.0322	3.208	1.279

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.4500</b>	<b>.5395</b>	<b>2.087</b>	<b>-4.607</b>
Stddev	.2732	.4766	1.710	1.712
%RSD	60.71	88.34	81.91	37.16

#1	-.2247	1.069	3.793	-2.811
#2	-.3715	.4034	2.095	-6.220
#3	-.7539	.1457	.3739	-4.790

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2550.9</b>	<b>28612.</b>	<b>2459.9</b>
Stddev	6.9	20.	13.8
%RSD	.27070	.06888	.55987

#1	2544.8	28611.	2456.5
#2	2549.4	28593.	2448.1
#3	2558.4	28633.	2475.0

Sample Name: mb 460-123230/1-a Acquired: 8/9/2012 16:25:27 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-3.816</b>	<b>1.890</b>	<b>.0304</b>	<b>.0054</b>	<b>-.0492</b>	<b>11.00</b>
Stddev	10.05	1.917	.9785	.0855	.1191	4.93
%RSD	263.4	101.4	3217.	1580.	241.9	44.78
#1	5.164	.7332	.4334	.0674	-.0727	8.325
#2	-14.67	4.102	-1.085	-.0921	.0799	7.995
#3	-1.938	.8336	.7430	.0409	-.1548	16.69

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0349</b>	<b>-.0447</b>	<b>.4309</b>	<b>.6948</b>	<b>4.694</b>	<b>27.84</b>
Stddev	.1100	.4254	.5167	1.957	4.951	53.42
%RSD	314.8	950.7	119.9	281.6	105.5	191.9
#1	.0403	.3163	.8110	-.1737	-.4506	19.68
#2	-.0777	-.5137	.6392	-.6774	9.426	-21.03
#3	.1422	.0631	-.1574	2.935	5.107	84.87

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.621</b>	<b>.0287</b>	<b>54.36</b>	<b>.0598</b>	<b>-.7838</b>	<b>1.120</b>
Stddev	1.713	.0773	5.12	.0811	1.581	2.062
%RSD	65.37	269.5	9.423	135.6	201.7	184.1
#1	2.761	-.0408	57.70	-.0235	-1.723	-.4108
#2	4.260	.1119	56.93	.1386	-1.670	3.465
#3	.8419	.0149	48.46	.0643	1.042	.3060

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-123230/1-a Acquired: 8/9/2012 16:25:27 Type: QC

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.416</b>	<b>.1404</b>	<b>-.0403</b>	<b>1.330</b>	<b>2.402</b>	<b>.3856</b>
Stddev	3.501	1.739	.5199	.052	.336	.2393
%RSD	144.9	1239.	1290.	3.924	13.97	62.06
#1	-6.457	-4436	-0573	1.288	2.638	.1648
#2	-.4798	-1.231	-.5516	1.388	2.550	.3522
#3	-.3111	2.096	.4879	1.313	2.018	.6399

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.8180</b>	<b>.1628</b>	<b>2.690</b>	<b>-13.96</b>
Stddev	1.657	.1411	.756	17.71
%RSD	202.5	86.66	28.11	126.9
#1	-1.730	.1956	3.184	5.733
#2	-1.818	.0082	1.819	-19.03
#3	1.094	.2846	3.065	-28.58

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2631.5</b>	<b>29182.</b>	<b>2527.5</b>
Stddev	5.9	121.	10.2
%RSD	.22501	.41616	.40186
#1	2630.9	29309.	2530.8
#2	2637.7	29067.	2516.1
#3	2625.9	29171.	2535.6

Sample Name: 460-43184-e-7-a Acquired: 8/9/2012 16:29:12 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>94.11</b>	<b>3.146</b>	<b>.1289</b>	<b>263.0</b>	<b>-.1044</b>	<b>158300.</b>
Stddev	3.10	3.347	.2647	.2	.1599	887.
%RSD	3.293	106.4	205.3	.0898	153.1	.5604
#1	95.44	1.063	.2767	263.0	.0170	159100.
#2	90.57	1.370	-.1766	263.3	-.2855	158500.
#3	96.33	7.007	.2866	262.8	-.0448	157300.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0662</b>	<b>-.5666</b>	<b>-.9204</b>	<b>3.803</b>	<b>-42.37</b>	<b>F 117900.</b>
Stddev	.1457	.5985	.8663	3.652	13.91	388.
%RSD	220.1	105.6	94.12	96.02	32.84	.3293
#1	.0096	-1.189	-1.911	7.198	-31.19	117500.
#2	.2317	-.5166	-.3056	-.0601	-37.96	118300.
#3	-.0427	.0053	-.5444	4.270	-57.95	117900.

Check ?	Chk Pass	Chk Fail				
High Limit						100000.
Low Limit						-5000.

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>F 378300.</b>	<b>978.9</b>	<b>F 1762000.</b>	<b>2.554</b>	<b>-2.590</b>	<b>2.522</b>
Stddev	3059.	7.9	157900.	.569	2.672	1.017
%RSD	.8086	.8085	8.961	22.26	103.2	40.32
#1	381800.	988.1	1943000.	2.384	-5.633	2.638
#2	376500.	974.8	1686000.	3.188	-1.510	1.452
#3	376600.	974.0	1656000.	2.089	-6274	3.476

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-43184-e-7-a Acquired: 8/9/2012 16:29:12 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-0.6702</b>	<b>-1.319</b>	<b>4.571</b>	<b>5.361</b>	<b>1258.</b>	<b>1.959</b>
Stddev	4.300	.689	.106	.283	3.	.272
%RSD	641.6	52.26	2.322	5.277	.2309	13.86
#1	3.423	-2.034	4.469	5.267	1256.	2.222
#2	-5.151	-1.264	4.681	5.679	1261.	1.975
#3	-.2828	-.6589	4.564	5.137	1256.	1.679

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-1.065</b>	<b>2351.</b>	<b>6.628</b>	<b>3876.</b>
Stddev	.886	7.	.292	20.
%RSD	83.21	.2961	4.404	.5056
#1	-1.061	2358.	6.950	3854.
#2	-.1806	2351.	6.381	3892.
#3	-1.952	2344.	6.552	3882.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2127.7</b>	<b>22843.</b>	<b>2419.2</b>
Stddev	6.5	113.	15.6
%RSD	.30427	.49523	.64645
#1	2132.9	22726.	2403.4
#2	2129.7	22952.	2419.3
#3	2120.5	22849.	2434.7

Sample Name: 460-42952-a-1-c@50 Acquired: 8/9/2012 16:33:00 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>28210.</b>	<b>19.11</b>	<b>18.84</b>	<b>23.79</b>	<b>.0909</b>	<b>8099.</b>
Stddev	104.	2.26	.47	.27	.1559	69.
%RSD	.3688	11.81	2.475	1.139	171.5	.8486
#1	28320.	16.53	19.35	24.10	.1999	8178.
#2	28110.	20.73	18.43	23.70	-.0877	8052.
#3	28210.	20.06	18.74	23.58	.1604	8068.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.8735</b>	<b>7.470</b>	<b>117.3</b>	<b>10450.</b>	<b>23310.</b>	<b>761.5</b>
Stddev	.0020	.259	.9	.71.	.141.	54.4
%RSD	.2262	3.465	.8064	.6781	.6032	7.147
#1	.8734	7.760	117.9	10530.	23460.	818.9
#2	.8755	7.390	117.7	10400.	23300.	710.6
#3	.8715	7.261	116.2	10420.	23180.	755.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1399.</b>	<b>133.6</b>	<b>787.0</b>	<b>1360.</b>	<b>10930.</b>	<b>487.4</b>
Stddev	34.	1.0	457.7	.9.	55.	2.3
%RSD	2.445	.7767	58.16	.6951	.4993	.4649
#1	1436.	134.7	1304.	1370.	10990.	489.1
#2	1392.	133.2	624.1	1358.	10930.	488.3
#3	1368.	132.8	433.0	1351.	10880.	484.9

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-42952-a-1-c@50 Acquired: 8/9/2012 16:33:00 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-8.288</b>	<b>1.116</b>	<b>15.35</b>	<b>F 1900.</b>	<b>2.522</b>	<b>-1.799</b>
Stddev	1.863	1.801	.22	120.	.783	.241
%RSD	22.48	161.4	1.405	.6297	31.04	13.39
#1	-6.173	1.638	15.60	19120.	3.240	-1.696
#2	-9.007	-8883	15.19	18980.	1.687	-1.626
#3	-9.685	2.599	15.27	18890.	2.639	-2.074

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>F 2860.</b>	<b>66.00</b>	<b>153.7</b>	<b>134.6</b>
Stddev	17.	.65	1.7	17.0
%RSD	.6060	.9917	1.086	12.59
#1	2880.	66.76	155.3	125.3
#2	2852.	65.65	153.7	154.2
#3	2848.	65.60	152.0	124.3

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2571.6</b>	<b>28396.</b>	<b>2517.6</b>
Stddev	18.3	209.	12.9
%RSD	.71109	.73442	.51336
#1	2552.8	28161.	2502.9
#2	2572.6	28470.	2527.2
#3	2589.3	28558.	2522.7

Sample Name: 460-42952-a-2-c@30 Acquired: 8/9/2012 16:36:36 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>264.7</b>	<b>518.0</b>	<b>21.96</b>	<b>139.2</b>	<b>-.1065</b>	<b>257.2</b>
Stddev	13.8	3.7	.99	.7	.0827	11.6
%RSD	5.220	.7120	4.516	.4807	77.65	4.494
#1	252.3	516.5	22.89	139.6	-.0148	270.4
#2	279.6	522.2	22.07	139.7	-.1295	252.3
#3	262.3	515.3	20.91	138.5	-.1754	248.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.2103</b>	<b>34.04</b>	<b>3.792</b>	<b>558.5</b>	<b>137900.</b>	<b>425.1</b>
Stddev	.0241	.22	.157	5.2	227.	20.7
%RSD	11.44	.6462	4.129	.9272	.1647	4.877
#1	-.2378	33.92	3.612	553.2	138000.	410.3
#2	-.2004	34.30	3.861	558.6	138000.	448.8
#3	-.1929	33.91	3.902	563.6	137600.	416.3

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5500</b>	<b>14.13</b>	<b>214.2</b>	<b>4.537</b>	<b>7555.</b>	<b>234.7</b>
Stddev	5.694	.13	18.3	.271	6.	3.4
%RSD	1035.	.8990	8.550	5.963	.0739	1.456
#1	-6.670	14.22	225.1	4.561	7558.	238.3
#2	4.592	14.18	224.6	4.795	7558.	231.6
#3	.4285	13.98	193.1	4.256	7548.	234.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-42952-a-2-c@30 Acquired: 8/9/2012 16:36:36 Type: Unk

Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-5.913</b>	<b>11.16</b>	<b>14.24</b>	<b>315.0</b>	<b>1.499</b>	<b>2.728</b>
Stddev	1.407	2.40	.45	2.0	.205	.149
%RSD	23.79	21.47	3.126	.6255	13.66	5.468
#1	-7.344	12.39	14.64	317.0	1.388	2.714
#2	-5.864	8.403	14.34	315.1	1.736	2.586
#3	-4.532	12.71	13.76	313.0	1.374	2.883

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>71.62</b>	<b>35.17</b>	<b>115.0</b>	<b>130.5</b>
Stddev	2.00	.09	1.2	11.3
%RSD	2.794	.2419	1.084	8.637
#1	73.76	35.11	116.1	138.1
#2	71.32	35.27	113.6	117.6
#3	69.79	35.12	115.2	135.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2558.8</b>	<b>28458.</b>	<b>2499.1</b>
Stddev	2.3	102.	11.4
%RSD	.09036	.35743	.45760
#1	2556.5	28424.	2509.8
#2	2561.2	28377.	2487.0
#3	2558.6	28572.	2500.5

Sample Name: CCV Acquired: 8/9/2012 16:40:18 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125600.	2498.	1234.	9978.	992.4	125500.
Stddev	403.	6.	.	10.	4.6	526.
%RSD	.3207	.2436	.0299	.0965	.4634	.4190

#1	125900.	2492.	1234.	9968.	993.7	125900.
#2	125200.	2498.	1234.	9987.	987.3	124900.
#3	125700.	2504.	1234.	9979.	996.2	125600.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1250.	2530.	5008.	12320.	99510.	49510.
Stddev	1.	2.	7.	59.	96.	200.
%RSD	.0712	.0933	.1441	.4809	.0967	.4039

#1	1249.	2528.	5000.	12310.	99440.	49470.
#2	1251.	2533.	5013.	12270.	99620.	49330.
#3	1251.	2531.	5010.	12380.	99480.	49720.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123400.	5069.	124200.	2538.	7547.	1011.
Stddev	96.	6.	623.	5.	2.	4.
%RSD	.0776	.1276	.5015	.1931	.0319	.4212

#1	123300.	5063.	124800.	2533.	7544.	1009.
#2	123500.	5067.	123600.	2543.	7547.	1009.
#3	123500.	5076.	124100.	2537.	7549.	1016.

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/9/2012 16:40:18 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2509.	2491.	2422.	2493.	1005.	2508.
Stddev	7.	5.	2.	3.	2.	6.
%RSD	.2786	.1886	.0797	.1334	.2072	.2313

#1	2504.	2489.	2422.	2490.	1003.	2501.
#2	2505.	2496.	2420.	2496.	1004.	2511.
#3	2517.	2487.	2424.	2494.	1007.	2511.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	999.6	5022.	10220.	10100.
Stddev	2.4	19.	26.	105.
%RSD	.2370	.3821	.2519	1.039

#1	998.9	5032.	10240.	9977.
#2	997.7	5000.	10190.	10160.
#3	1002.	5034.	10220.	10160.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2353.6	26242.	2438.1
Stddev	3.4	65.	25.4
%RSD	.14520	.24705	1.0407

#1	2357.0	26225.	2409.1
#2	2353.5	26187.	2456.2
#3	2350.2	26313.	2448.9

Sample Name: CCB Acquired: 8/9/2012 16:43:38 Type: QC  
Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.71</b>	<b>3.072</b>	<b>-.3929</b>	<b>.4811</b>	<b>-.1536</b>	<b>5.895</b>
Stddev	26.11	1.262	.8458	.4176	.0751	2.334
%RSD	205.5	41.08	215.3	86.79	48.86	39.59
#1	29.36	4.519	-.0156	.9624	-.2393	7.999
#2	-17.39	2.497	-1.362	.2665	-.0995	6.301
#3	26.14	2.200	.1986	.2146	-.1220	3.385

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0320</b>	<b>.0744</b>	<b>.5976</b>	<b>1.349</b>	<b>18.56</b>	<b>120.4</b>
Stddev	.0772	.1069	.3512	3.748	22.79	109.3
%RSD	241.4	143.7	58.76	277.7	122.8	90.78
#1	.1210	-.0342	.3171	-2.634	42.66	206.6
#2	-.0155	.1796	.4843	1.879	15.65	-2.577
#3	-.0096	.0777	.9914	4.804	-2.632	157.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15.99</b>	<b>.3596</b>	<b>140.7</b>	<b>-.3686</b>	<b>-.1430</b>	<b>-1.624</b>
Stddev	14.61	.3591	34.4	.0957	.9800	1.936
%RSD	91.38	99.86	24.47	25.96	685.4	119.2
#1	30.80	.7432	172.0	-.2708	.5230	-3.029
#2	15.60	.3044	146.4	-.3728	-1.268	.5833
#3	1.580	.0313	103.8	-.4621	.3162	-2.427

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/9/2012 16:43:38 Type: QC  
 Method: SW8460080712(v2) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

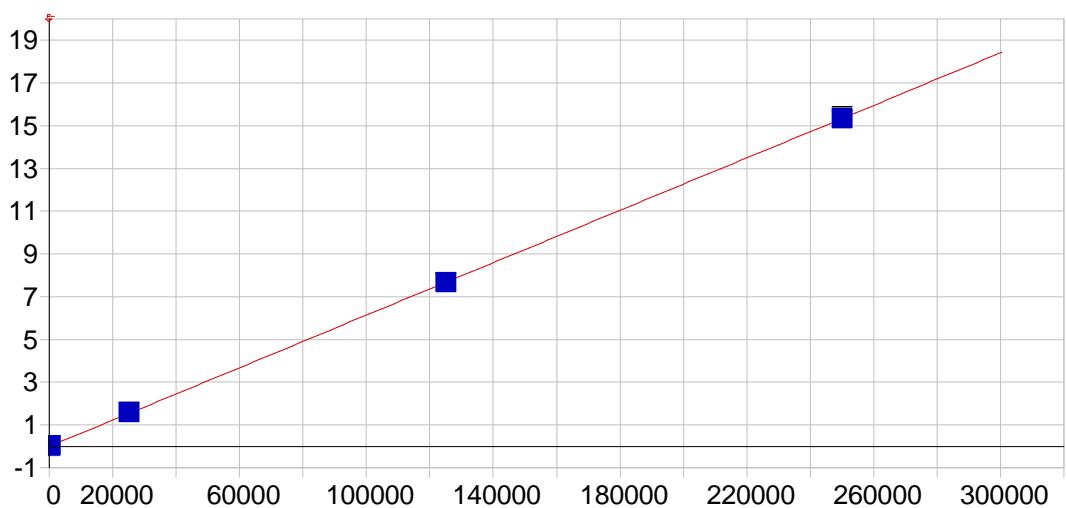
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6673	1.631	.2050	.0791	2.963	2.524
Stddev	1.473	.822	.2377	.2093	1.482	1.776
%RSD	220.7	50.38	115.9	264.6	49.99	70.39
#1	.5659	.8957	.4561	.3204	4.359	4.394
#2	-.7522	1.480	-.0164	-.0295	1.409	2.319
#3	2.188	2.519	.1753	-.0536	3.122	.8588

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.5447	.5216	1.609	-11.18
Stddev	.7069	.4330	1.430	8.29
%RSD	129.8	83.00	88.87	74.17
#1	-.3036	1.017	3.165	-19.19
#2	-1.341	.3299	1.308	-11.70
#3	.0101	.2176	.3533	-2.635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2555.6	28450.	2476.0
Stddev	9.4	45.	24.5
%RSD	.36666	.15815	.98901
#1	2557.4	28439.	2503.9
#2	2545.4	28499.	2458.3
#3	2563.9	28411.	2465.8

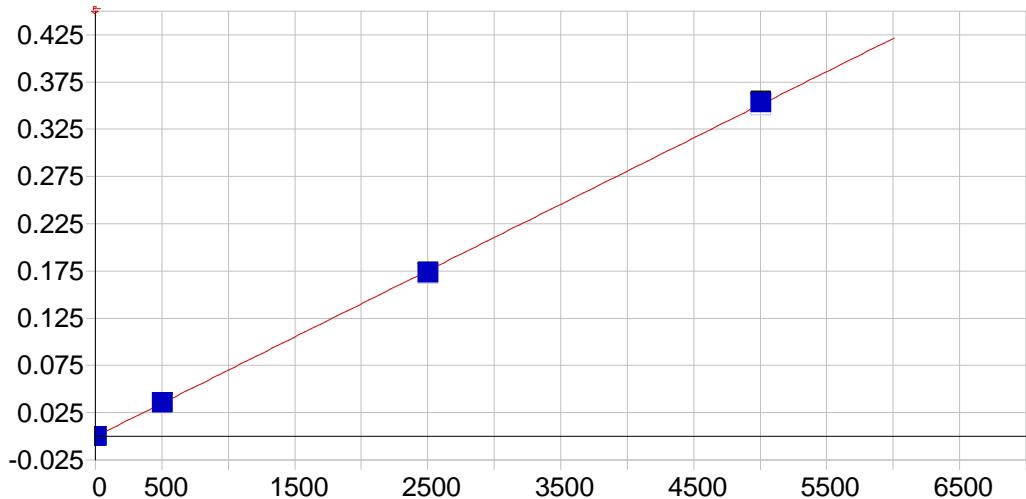


**AI 396.152 { 85 }**

Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc
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A0 (Offset):	-0.000129	Re-Slope: 1.000000
A1 (Gain):	0.000061	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.999965	Status: OK.
Std Error of Est:	0.000187	
Predicted MDL:	22.587028	
Predicted MQL:	75.290095	

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00025	.000	.000	-.00013	.001	1
DCAL2	200.00	194.82	-5.18	-2.59	.01181	.003	1
DCAL3	25000.	25802.	802.	3.21	1.5846	.004	1
DCAL4	125000.	124550.	-449.	-.359	7.6500	.021	1
DCAL5	250000.	249650.	-348.	-.139	15.334	.088	1

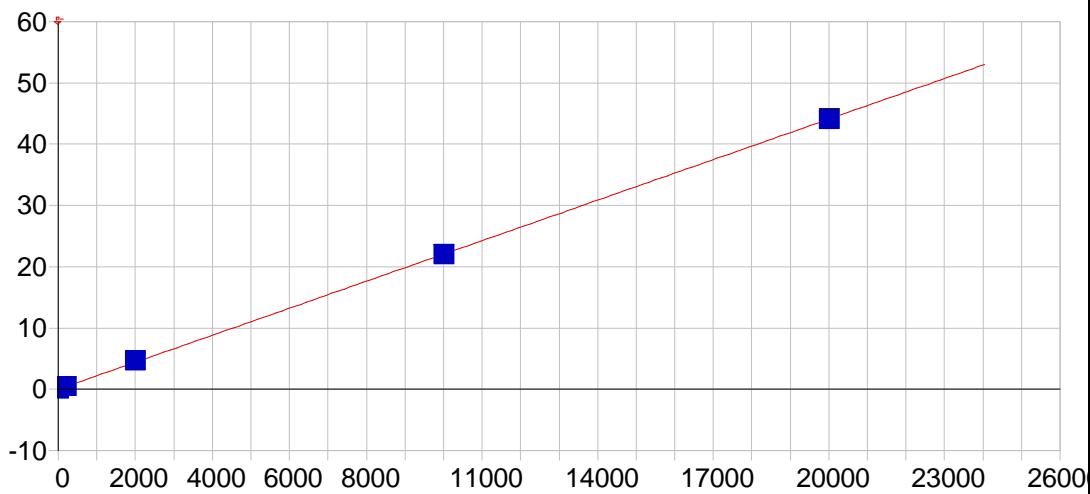


**As 189.042 { 478 }**

Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc
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A0 (Offset):	-0.000137	Re-Slope: 1.000000
A1 (Gain):	0.000070	Y-int: 0.000000
A2 (Curvature):	0.000000	
n (Exponent):	1.000000	
Correlation:	0.999958	Status: OK.
Std Error of Est:	0.000005	

Predicted MDL:	2.979386						
Predicted MQL:	9.931288						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00025	.000	.000	-.00014	.000	1
DCAL2	5.0000	5.2541	.254	5.08	.00023	.000	1
DCAL3	500.00	502.98	2.98	.596	.03486	.000	1
DCAL4	2500.0	2466.4	-33.6	-1.34	.17142	.001	1
DCAL5	5000.0	5030.4	30.4	.607	.34982	.001	1
<b>Ag 328.068 {103}</b>							
Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000974		Re-Slope: 1.000000				
A1 (Gain):	0.000214		Y-int: 0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999990		Status:	OK.			
Std Error of Est:	0.000008						
Predicted MDL:	1.180558						
Predicted MQL:	3.935192						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00006	.000	.000	-.00097	.000	1
DCAL2	10.000	9.9282	-.072	-.718	.00115	.000	1
DCAL3	250.00	251.36	1.36	.543	.05282	.000	1
DCAL4	1250.0	1241.7	-8.32	-.666	.26478	.000	1
DCAL5	2500.0	2507.0	7.04	.281	.53562	.001	1

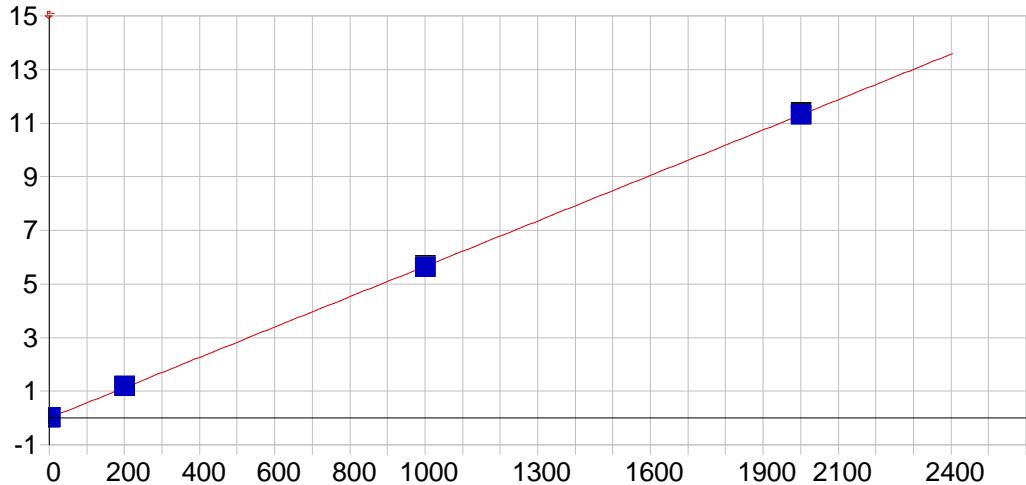


#### Ba 233.527 {445}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000049      Re-Slope: 1.000000  
 A1 (Gain): 0.002205      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999935      Status: OK.  
 Std Error of Est: 0.002601  
 Predicted MDL: 0.185127  
 Predicted MQL: 0.617091

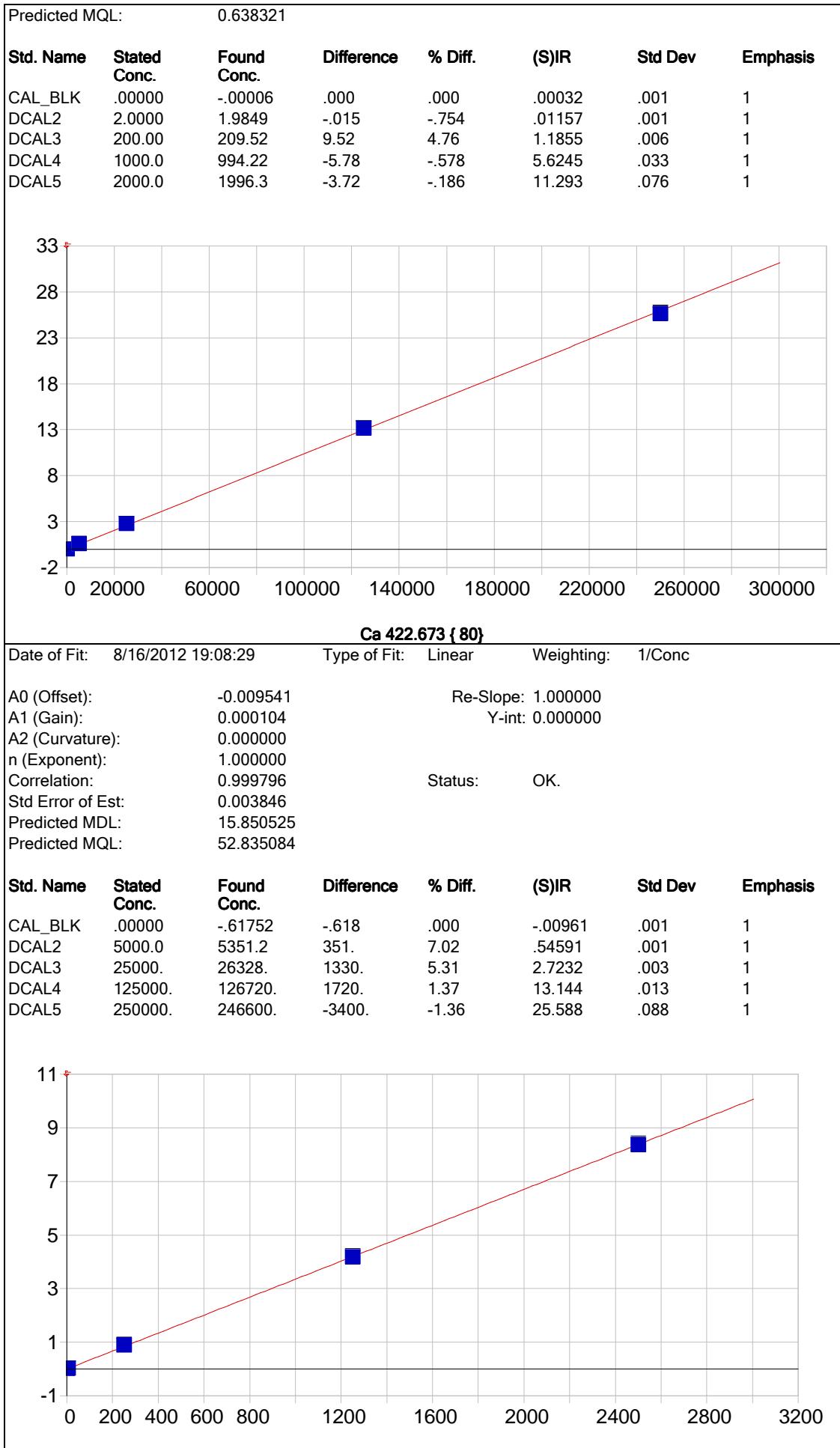
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.01731	-.017	.000	.00001	.000	1
DCAL2	200.00	210.73	10.7	5.37	.46450	.001	1
DCAL3	2000.0	2080.4	80.4	4.02	4.5819	.022	1
DCAL4	10000.	9944.8	-55.2	-.552	21.901	.010	1
DCAL5	20000.	19964.	-35.9	-.180	43.967	.115	1



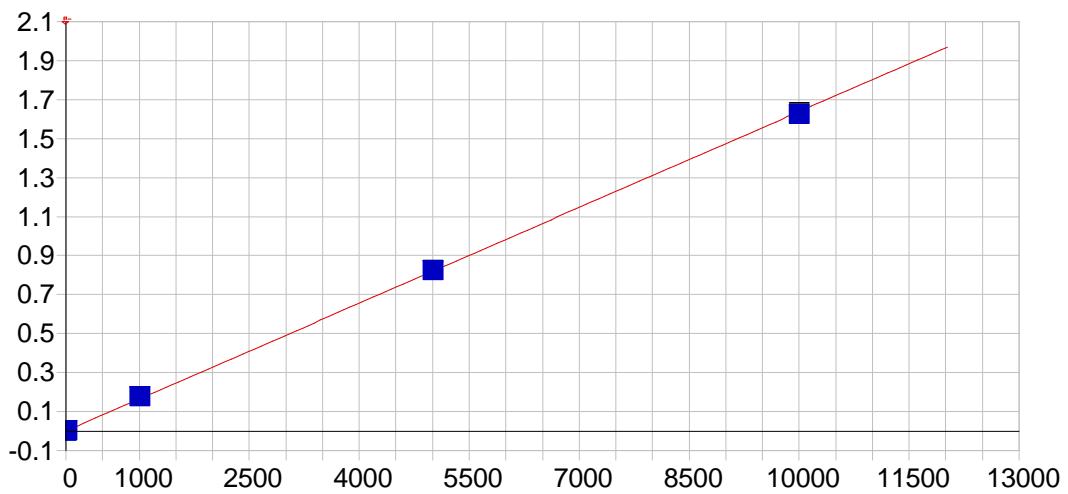
#### Be 313.042 {108}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000322      Re-Slope: 1.000000  
 A1 (Gain): 0.005654      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999923      Status: OK.  
 Std Error of Est: 0.000229  
 Predicted MDL: 0.191496



Cd 226.502 {449}							
Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000422	Re-Slope: 1.000000					
A1 (Gain):	0.003351	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999891	Status: OK.					
Std Error of Est:	0.000257						
Predicted MDL:	0.143307						
Predicted MQL:	0.477691						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00047	.000	.000	-.00042	.000	1
DCAL2	4.0000	4.2774	.277	6.93	.01395	.000	1
DCAL3	250.00	264.23	14.2	5.69	.88967	.005	1
DCAL4	1250.0	1244.4	-5.59	-.448	4.1929	.005	1
DCAL5	2500.0	2491.1	-8.91	-.356	8.3938	.017	1
Co 228.616 {447}							
Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000192	Re-Slope: 1.000000					
A1 (Gain):	0.000755	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999885	Status: OK.					
Std Error of Est:	0.000299						
Predicted MDL:	0.481195						
Predicted MQL:	1.603982						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00570	-.006	.000	-.00020	.000	1
DCAL2	50.000	53.344	3.34	6.69	.04006	.000	1
DCAL3	500.00	527.65	27.7	5.53	.40126	.003	1
DCAL4	2500.0	2489.8	-10.2	-.409	1.8950	.002	1
DCAL5	5000.0	4979.3	-20.7	-.415	3.7900	.012	1

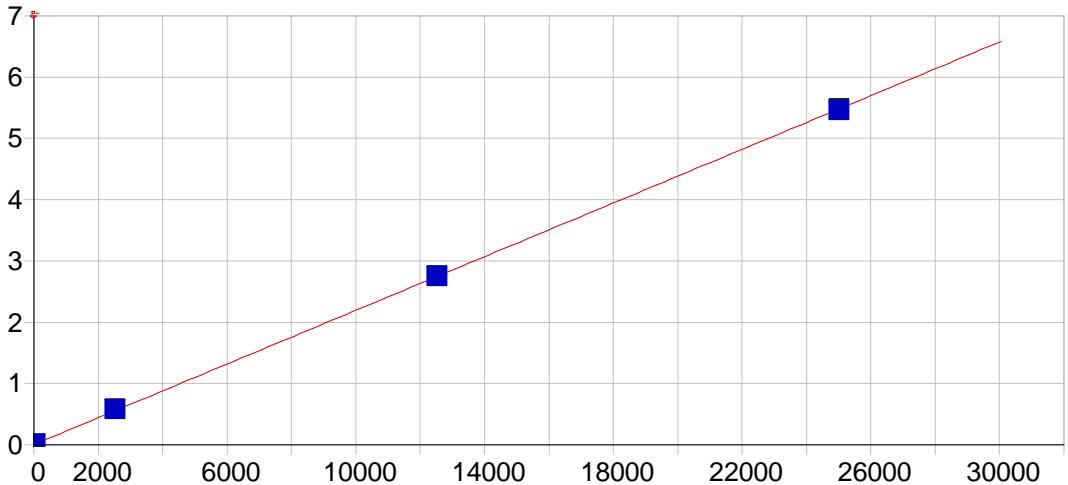


#### Cr 267.716 {126}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000037      Re-Slope: 1.000000  
 A1 (Gain): 0.000164      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999839      Status: OK.  
 Std Error of Est: 0.000048  
 Predicted MDL: 0.753702  
 Predicted MQL: 2.512340

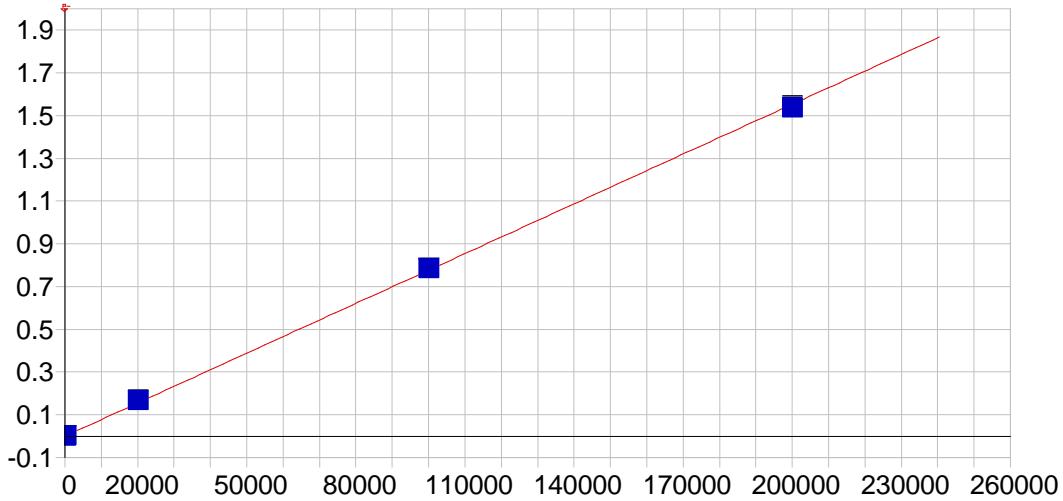
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00190	-.002	.000	-.00004	.000	1
DCAL2	10.000	11.298	1.30	13.0	.00182	.000	1
DCAL3	1000.0	1065.4	65.4	6.54	.17457	.000	1
DCAL4	5000.0	5014.8	14.8	.296	.82183	.001	1
DCAL5	10000.	9918.4	-81.6	-.816	1.6255	.006	1

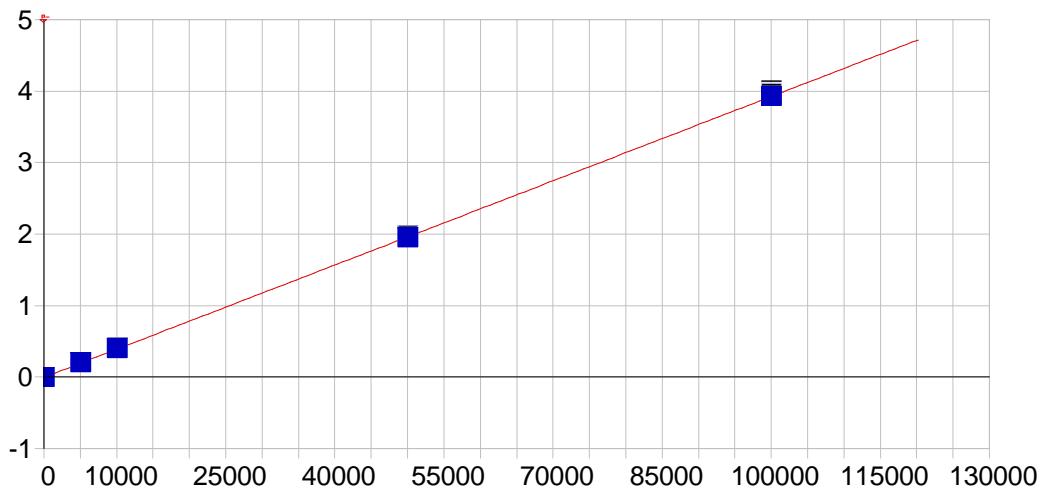


#### Cu 324.754 {104}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.003974      Re-Slope: 1.000000  
 A1 (Gain): 0.000219      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999919      Status: OK.  
 Std Error of Est: 0.000068  
 Predicted MDL: 4.597143

Predicted MQL:	15.323811						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	.00540	.005	.000	.00397	.001	1
DCAL1	10.000	5.4101	-4.59	-45.9	.00516	.002	1
DCAL2	25.000	22.091	-2.91	-11.6	.00880	.001	1
DCAL3	2500.0	2596.2	96.2	3.85	.57210	.002	1
DCAL4	12500.	12506.	5.58	.045	2.7405	.005	1
DCAL5	25000.	24906.	-94.3	-.377	5.4539	.021	1
							
<b>Fe 271.441 {124}</b>							
Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	0.0000071	Re-Slope:	1.000000				
A1 (Gain):	0.000008	Y-int:	0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999782	Status:	OK.				
Std Error of Est:	0.000036						
Predicted MDL:	16.848777						
Predicted MQL:	56.162590						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.05039	-.050	.000	.000007	.000	1
DCAL1	100.00	128.50	28.5	28.5	.00107	.000	1
DCAL2	150.00	173.02	23.0	15.3	.00145	.000	1
DCAL3	20000.	21354.	1350.	6.77	.16627	.000	1
DCAL4	100000.	100960.	964.	.964	.78600	.002	1
DCAL5	200000.	197630.	-2370.	-1.18	1.5386	.005	1

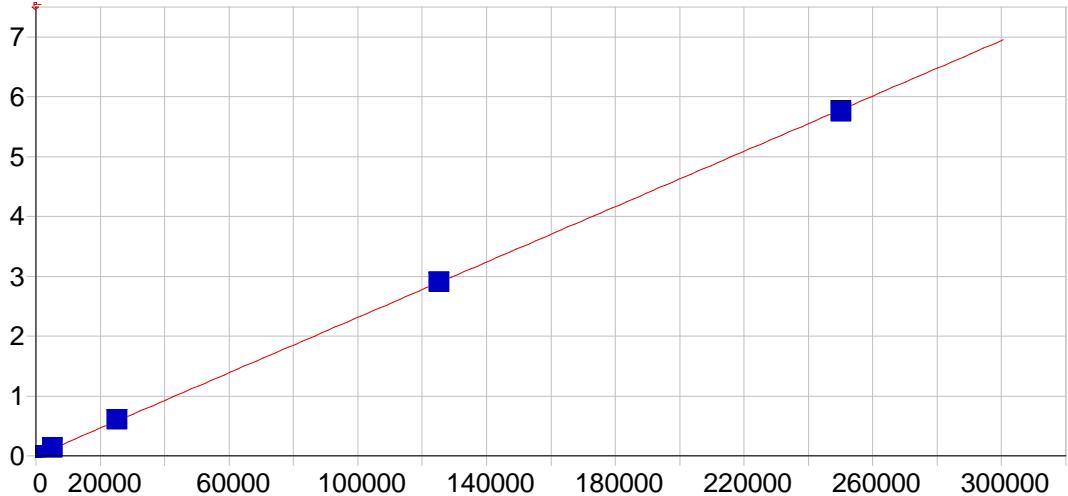


**K 766.490 { 44 }**

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.003693      Re-Slope: 1.000000  
 A1 (Gain): 0.000039      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999960      Status: OK.  
 Std Error of Est: 0.000419  
 Predicted MDL: 72.462558  
 Predicted MQL: 241.541859

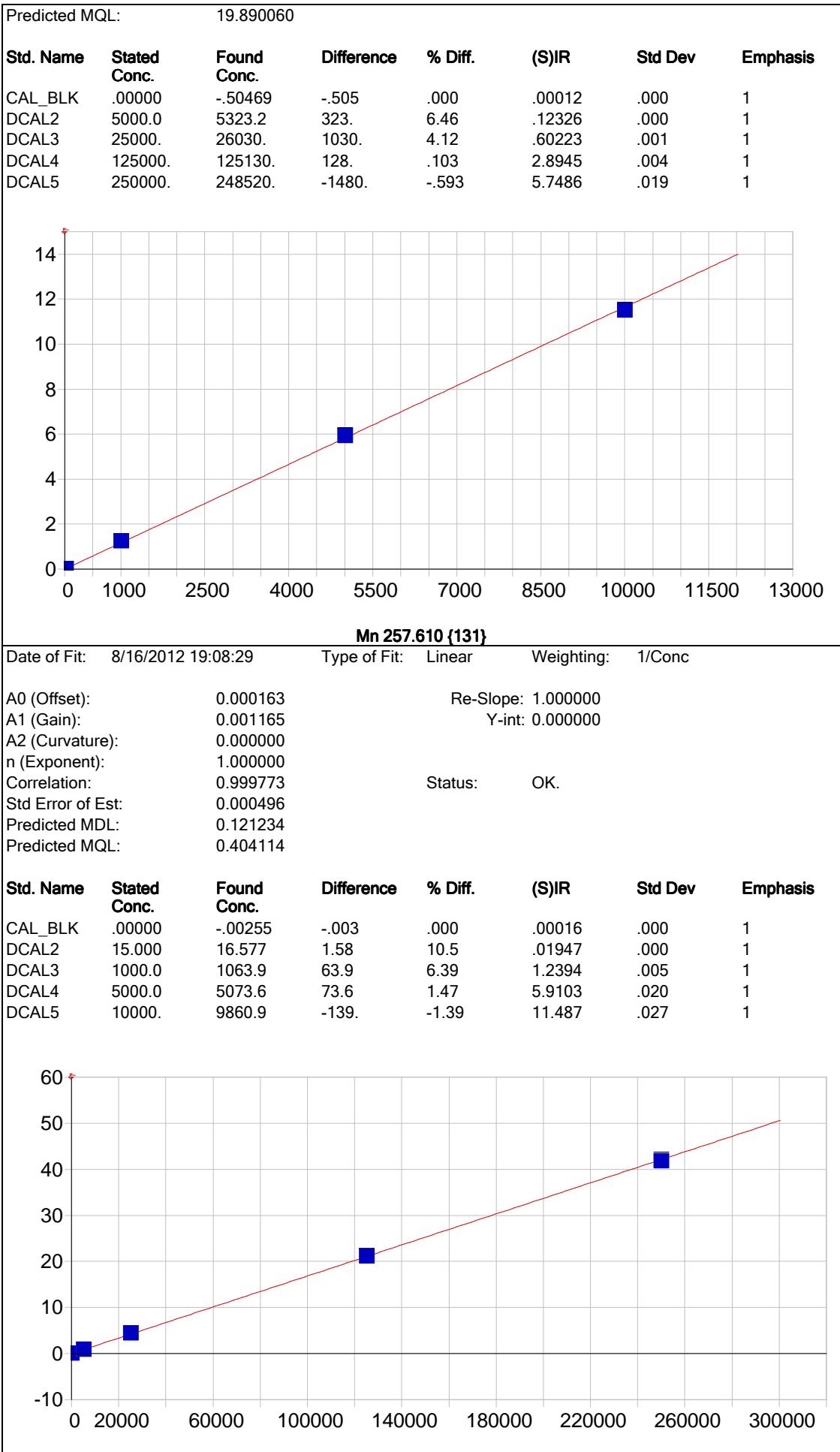
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.25198	-.252	.000	-.00370	.001	1
DCAL2	5000.0	5187.4	187.	3.75	.20085	.001	1
DCAL3	10000.	10204.	204.	2.04	.40222	.002	1
DCAL4	50000.	49646.	-354.	-.708	1.9720	.004	1
DCAL5	100000.	99965.	-35.2	-.035	3.9741	.019	1



**Mg 279.079 {121}**

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000127      Re-Slope: 1.000000  
 A1 (Gain): 0.000023      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999911      Status: OK.  
 Std Error of Est: 0.000567  
 Predicted MDL: 5.967018

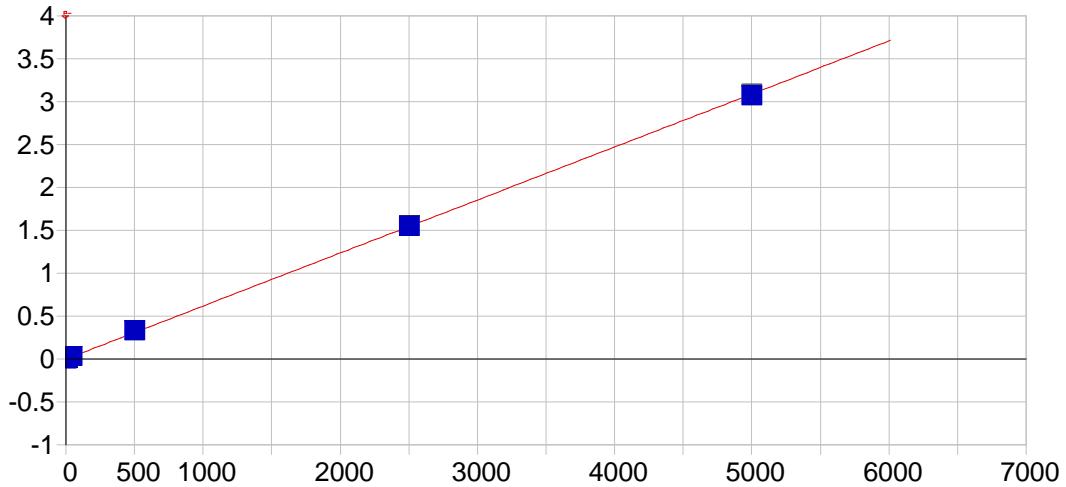


**Na 589.592 { 57 }**

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000909      Re-Slope: 1.000000  
 A1 (Gain): 0.000168      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999879      Status: OK.  
 Std Error of Est: 0.004809  
 Predicted MDL: 17.290643  
 Predicted MQL: 57.635476

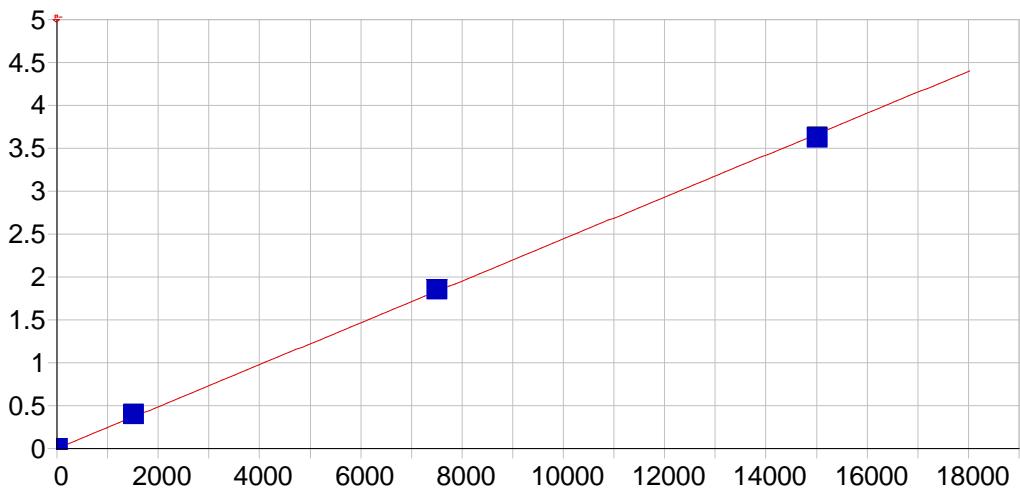
<b>Std. Name</b>	<b>Stated Conc.</b>	<b>Found Conc.</b>	<b>Difference</b>	<b>% Diff.</b>	<b>(S)IR</b>	<b>Std Dev</b>	<b>Emphasis</b>
CAL_BLK	.00000	-.54229	-.542	.000	.00082	.001	1
DCAL2	5000.0	5318.5	318.	6.37	.89678	.003	1
DCAL3	25000.	26233.	1230.	4.93	4.4226	.004	1
DCAL4	125000.	125410.	410.	.328	21.139	.054	1
DCAL5	250000.	248040.	-.1960.	-.785	41.810	.291	1


**Ni 231.604 { 446 }**

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000072      Re-Slope: 1.000000  
 A1 (Gain): 0.000618      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999857      Status: OK.  
 Std Error of Est: 0.000115  
 Predicted MDL: 0.670119  
 Predicted MQL: 2.233729

<b>Std. Name</b>	<b>Stated Conc.</b>	<b>Found Conc.</b>	<b>Difference</b>	<b>% Diff.</b>	<b>(S)IR</b>	<b>Std Dev</b>	<b>Emphasis</b>
CAL_BLK	.00000	-.00163	-.002	.000	.00007	.000	1
DCAL1	10.000	10.221	.221	2.21	.00639	.000	1
DCAL2	40.000	43.529	3.53	8.82	.02699	.000	1
DCAL3	500.00	529.63	29.6	5.93	.32787	.002	1
DCAL4	2500.0	2501.5	1.46	.058	1.5484	.002	1
DCAL5	5000.0	4965.2	-.34.8	-.697	3.0735	.011	1

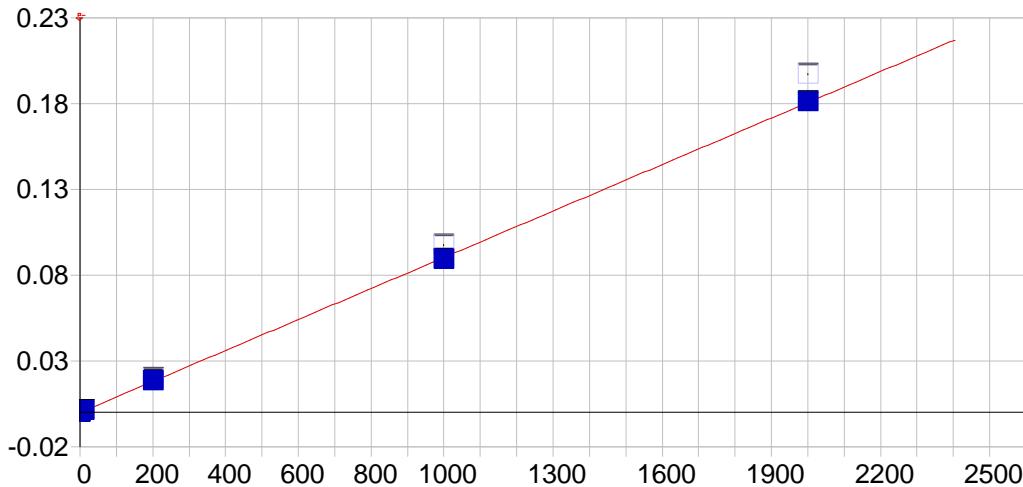


### Pb 220.353 {453}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000459      Re-Slope: 1.000000  
 A1 (Gain): 0.000244      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999765      Status: OK.  
 Std Error of Est: 0.000075  
 Predicted MDL: 1.882671  
 Predicted MQL: 6.275571

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00090	-.001	.000	.00046	.000	1
DCAL2	5.0000	5.5372	.537	10.7	.00183	.000	1
DCAL3	1500.0	1612.2	112.	7.48	.39360	.003	1
DCAL4	7500.0	7568.3	68.3	.911	1.8458	.002	1
DCAL5	15000.	14819.	-181.	-1.21	3.6135	.008	1



### Sb 206.833 {463}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000001      Re-Slope: 1.000000  
 A1 (Gain): 0.000090      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999894      Status: OK.  
 Std Error of Est: 0.000010  
 Predicted MDL: 3.310343

Predicted MQL: 11.034478							
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00261	-.003	.000	.00000	.000	1
DCAL2	10.000	12.513	2.51	25.1	.00114	.000	1
DCAL3	200.00	203.51	3.51	1.76	.02001	.000	1
DCAL4	1000.0	989.81	-10.2	-1.02	.09753	.000	1
DCAL5	2000.0	2004.4	4.36	.218	.19729	.000	1

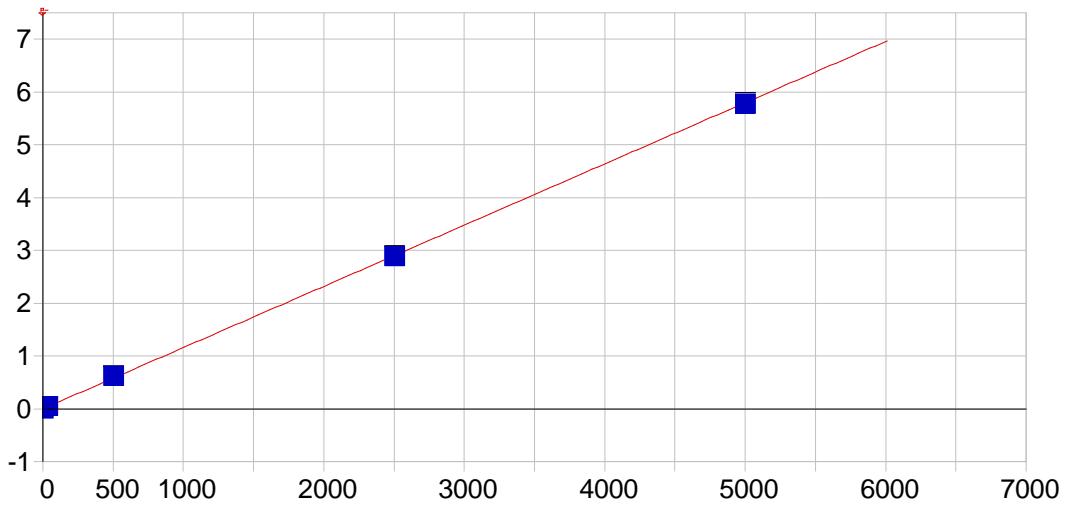
**Se 196.090 {472}**

Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	-0.000063	Re-Slope:	1.000000		
A1 (Gain):	0.000049	Y-int:	0.000000		
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999891	Status:	OK.		
Std Error of Est:	0.000006				
Predicted MDL:	4.967481				
Predicted MQL:	16.558269				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00172	-.002	.000	-.00006	.000	1
DCAL2	5.0000	6.6756	1.68	33.5	.00026	.000	1
DCAL3	500.00	510.34	10.3	2.07	.02444	.000	1
DCAL4	2500.0	2457.1	-42.9	-1.72	.11786	.000	1
DCAL5	5000.0	5030.9	30.9	.617	.24145	.001	1

TI 190.856 {477}							
Date of Fit:		8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):	-0.000173			Re-Slope: 1.000000			
A1 (Gain):	0.000086			Y-int: 0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999662			Status:	OK.		
Std Error of Est:	0.000026						
Predicted MDL:	2.978213						
Predicted MQL:	9.927375						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00148	-.001	.000	-.00017	.000	1
DCAL2	10.000	10.592	.592	5.92	.00073	.000	1
DCAL3	500.00	547.95	47.9	9.59	.04673	.000	1
DCAL4	2500.0	2511.6	11.6	.464	.21481	.000	1
DCAL5	5000.0	4939.9	-.60.1	-1.20	.42265	.001	1
V 292.402 {115}							
Date of Fit:		8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):	-0.000044			Re-Slope: 1.000000			
A1 (Gain):	0.000261			Y-int: 0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999964			Status:	OK.		
Std Error of Est:	0.000058						
Predicted MDL:	0.633156						
Predicted MQL:	2.110519						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00295	-.003	.000	-.00004	.000	1
DCAL2	50.000	51.726	1.73	3.45	.01346	.000	1
DCAL3	500.00	515.18	15.2	3.04	.13459	.000	1
DCAL4	2500.0	2487.7	-.12.3	-.492	.65008	.002	1
DCAL5	5000.0	4995.4	-.461	-.092	1.3054	.005	1

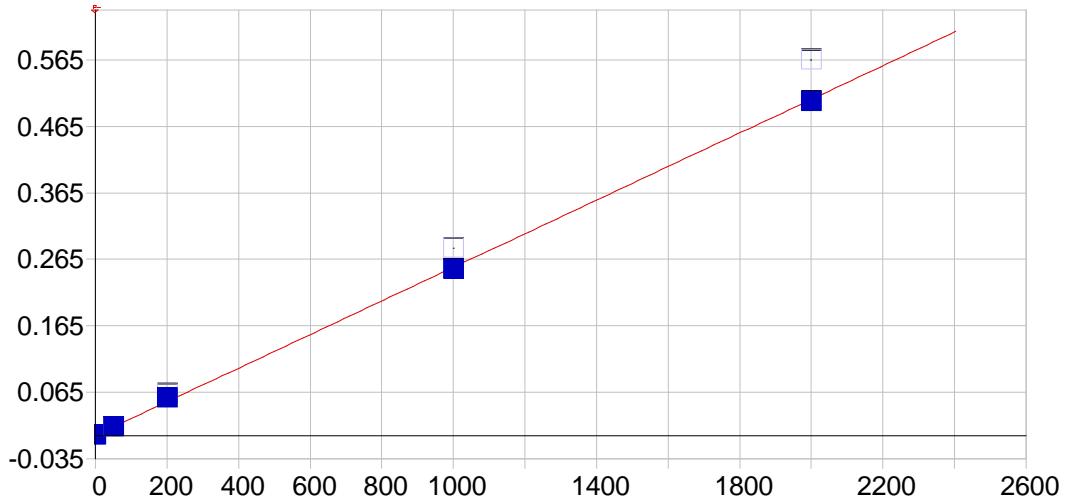


Zn 206.200 {463}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): -0.000092      Re-Slope: 1.000000  
 A1 (Gain): 0.001159      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999802      Status: OK.  
 Std Error of Est: 0.000462  
 Predicted MDL: 0.249329  
 Predicted MQL: 0.831097

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00654	-.007	.000	-.00010	.000	1
DCAL2	30.000	34.866	4.87	16.2	.04034	.000	1
DCAL3	500.00	533.12	33.1	6.62	.61853	.004	1
DCAL4	2500.0	2485.7	-14.3	-.573	2.8844	.004	1
DCAL5	5000.0	4976.3	-23.7	-.473	5.7747	.016	1



B 208.959 {461}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000180      Re-Slope: 1.000000  
 A1 (Gain): 0.000253      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999675      Status: OK.  
 Std Error of Est: 0.000119  
 Predicted MDL: 1.118612

Predicted MQL: 3.728707							
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00487	-.005	.000	.00018	.000	1
DCAL2	50.000	50.102	.102	.203	.01309	.000	1
DCAL3	200.00	222.29	22.3	11.1	.06263	.001	1
DCAL4	1000.0	990.30	-9.70	-.970	.28178	.000	1
DCAL5	2000.0	1987.3	-12.7	-.634	.56509	.001	1

Scatter plot showing Found Conc. vs Stated Conc. for Mo 202.030 {467}. The x-axis ranges from 0 to 7000, and the y-axis ranges from -1 to 5. Five data points are plotted as blue squares, and a red line of best fit passes through the origin.

Mo 202.030 {467}							
Date of Fit:	8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	-0.000656	Re-Slope:	1.000000				
A1 (Gain):	0.000734	Y-int:	0.000000				
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999968	Status:	OK.				
Std Error of Est:	0.000096						
Predicted MDL:	0.422835						
Predicted MQL:	1.409448						

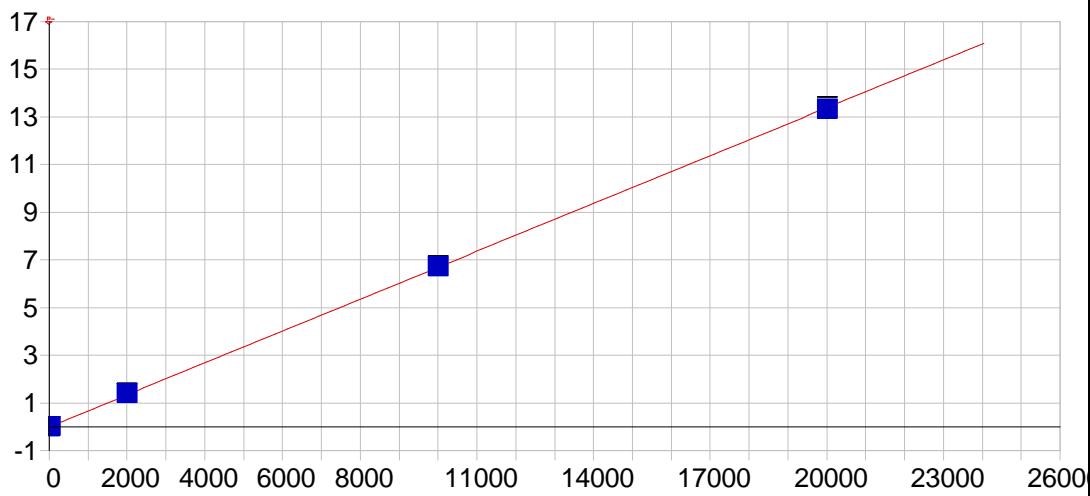
  

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00114	-.001	.000	-.00066	.000	1
DCAL2	20.000	20.700	.700	3.50	.01459	.000	1
DCAL3	500.00	513.99	14.0	2.80	.37723	.002	1
DCAL4	2500.0	2484.1	-15.9	-.636	1.8258	.001	1
DCAL5	5000.0	5001.2	1.22	.024	3.6765	.012	1

Scatter plot showing Found Conc. vs Stated Conc. for Mo 202.030 {467}. The x-axis ranges from 0 to 2500, and the y-axis ranges from -0.02 to 0.28. Five data points are plotted as blue squares, and a red line of best fit passes through the origin.

Sn 189.989 {477}							
Date of Fit:		8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):	-0.000006			Re-Slope: 1.000000			
A1 (Gain):	0.000127			Y-int: 0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999786			Status:	OK.		
Std Error of Est:	0.000043						
Predicted MDL:	1.377675						
Predicted MQL:	4.592250						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00766	-.008	.000	-.00001	.000	1
DCAL2	50.000	55.208	5.21	10.4	.00702	.000	1
DCAL3	200.00	211.76	11.8	5.88	.02659	.000	1
DCAL4	1000.0	997.76	-2.24	-.224	.12518	.000	1
DCAL5	2000.0	1985.2	-14.8	-.740	.24906	.001	1
Sr 407.771 { 83}							
Date of Fit:		8/16/2012 19:08:29	Type of Fit:	Linear	Weighting:	1/Conc	
A0 (Offset):	-0.002475			Re-Slope: 1.000000			
A1 (Gain):	0.008802			Y-int: 0.000000			
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999944			Status:	OK.		
Std Error of Est:	0.002148						
Predicted MDL:	0.168770						
Predicted MQL:	0.562567						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00169	-.002	.000	-.00249	.001	1
DCAL2	20.000	20.981	.981	4.90	.18504	.001	1
DCAL3	1000.0	1039.2	39.2	3.92	9.1327	.042	1
DCAL4	5000.0	5004.5	4.46	.089	43.988	.114	1
DCAL5	10000.	9955.3	-44.7	-.447	87.506	.492	1

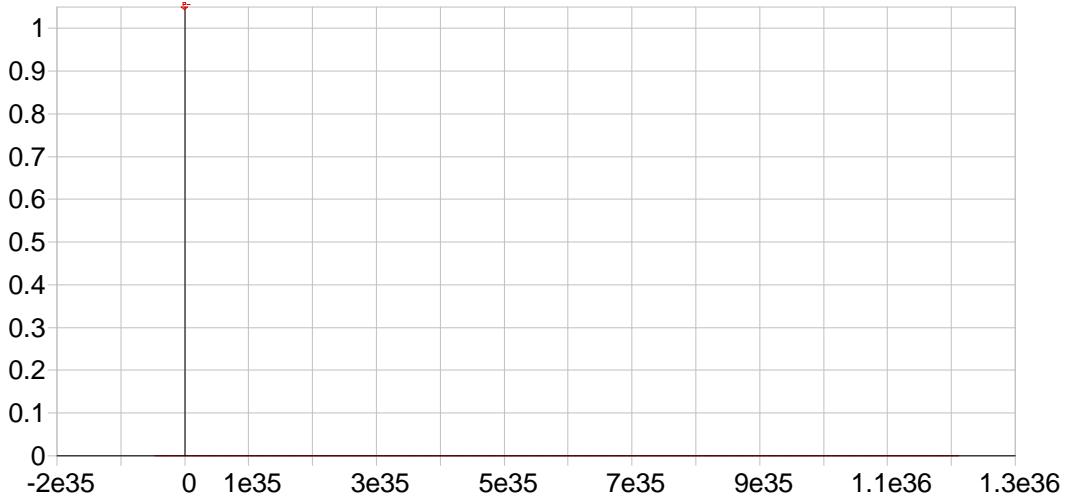


#### Ti 334.941 {101}

Date of Fit: 8/16/2012 19:08:29      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000138      Re-Slope: 1.000000  
 A1 (Gain): 0.000669      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999956      Status: OK.  
 Std Error of Est: 0.000205  
 Predicted MDL: 1.849061  
 Predicted MQL: 6.163536

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CAL_BLK	.00000	-.00198	-.002	.000	.00014	.002	1
DCAL2	20.000	21.359	1.36	6.80	.01456	.002	1
DCAL3	2000.0	2065.7	65.7	3.28	1.3841	.001	1
DCAL4	10000.	10031.	31.2	.312	6.7212	.029	1
DCAL5	20000.	19902.	-98.3	-.491	13.335	.085	1

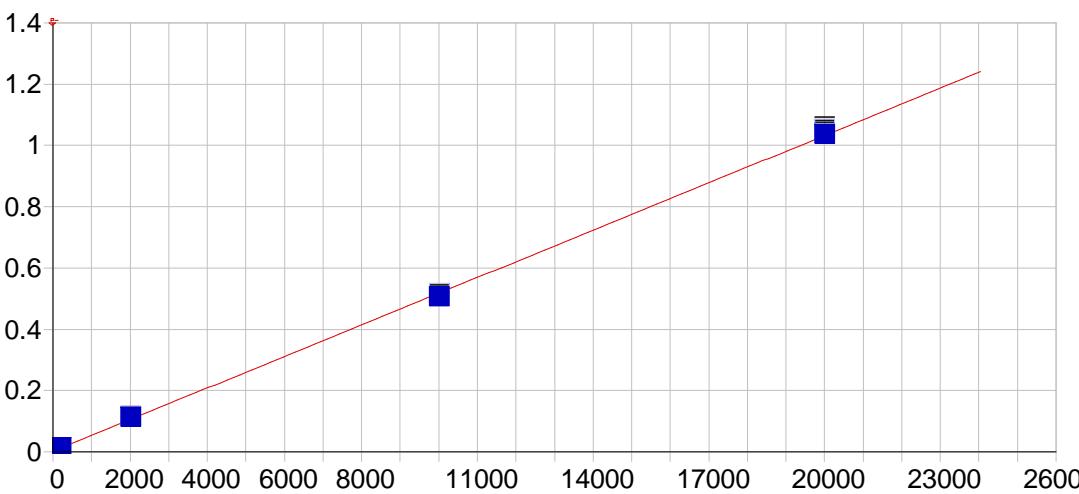


#### Y 224.306 {450}\*<sup>\*</sup>

Date of Fit: 7/16/2012 12:10:57      Type of Fit: Linear      Weighting: 1/Conc

A0 (Offset): 0.000000      Re-Slope: 1.000000  
 A1 (Gain): 0.000000      Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.000000      Status: Warning      Zero Gain  
 Std Error of Est: 183.492520  
 Predicted MDL: n/a

Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Y 360.073 { 94}* Date of Fit: 6/29/2012 16:27:38      Type of Fit: Linear      Weighting: 1/Conc							
A0 (Offset):	0.000000	Re-Slope: 1.000000					
A1 (Gain):	0.000000	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000	Status: Warning      Zero Gain					
Std Error of Est:	0.000000						
Predicted MDL:	n/a						
Predicted MQL:	n/a						
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Y 371.030 { 91}* Date of Fit: 7/16/2012 12:25:53      Type of Fit: Linear      Weighting: 1/Conc							
A0 (Offset):	0.000000	Re-Slope: 1.000000					
A1 (Gain):	0.000000	Y-int: 0.000000					
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000	Status: Warning      Zero Gain					
Std Error of Est:	192.759705						
Predicted MDL:	n/a						

Predicted MQL:		n/a											
													
<b>Si 288.158 {117}</b>													
Date of Fit: 8/16/2012 19:08:29		Type of Fit: Linear	Weighting: 1/Conc										
A0 (Offset): 0.002245                          Re-Slope: 1.000000 A1 (Gain): 0.000052                          Y-int: 0.000000 A2 (Curvature): 0.000000 n (Exponent): 1.000000 Correlation: 0.999776                          Status: OK. Std Error of Est: 0.000115 Predicted MDL: 21.543462 Predicted MQL: 71.811540													
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis						
CAL_BLK	.00000	-.01851	-.019	.000	.00224	.001	1						
DCAL2	200.00	208.19	8.19	4.09	.01301	.001	1						
DCAL3	2000.0	2139.4	139.	6.97	.11425	.001	1						
DCAL4	10000.	9785.1	-215.	-2.15	.51530	.001	1						
DCAL5	20000.	20067.	67.4	.337	1.0540	.006	1						

Sample Name: CAL\_BLK Acquired: 8/16/2012 18:47:04 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0001	.0010	.0000	.0003	.0096
Stddev	.0011	.0001	.0001	.0002	.0010	.0014
%RSD	829.9	75.22	10.57	1720.	296.9	15.05
#1	.0005	-.0002	-.0009	-.0001	.0009	-.0097
#2	.0005	-.0001	-.0010	-.0001	.0008	-.0081
#3	-.0014	.0000	-.0011	.0002	-.0008	-.0110
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0004	-.0002	.0000	.0040	.0001	-.0037
Stddev	.0004	.0005	.000	.0008	.0001	.0006
%RSD	104.5	235.1	380.9	20.85	109.6	15.26
#1	-.0001	-.0002	.0001	.0049	.0000	-.0042
#2	-.0002	-.0007	.0000	.0038	.0001	-.0038
#3	-.0009	.0003	-.0002	.0032	.0001	-.0031
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0002	.0008	.0001	.0005	.0000
Stddev	.0001	.0002	.0015	.0002	.0003	.0001
%RSD	71.44	98.59	181.4	323.9	69.96	40910.
#1	.0002	.0001	.0025	.0001	.0008	-.0001
#2	.0001	.0000	-.0003	.0003	.0002	.0000
#3	.0000	.0003	.0003	-.0002	.0004	.0001
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	-.0002	.0000	-.0001	.0002	-.0007
Stddev	.0001	.0002	.000	.0001	.0003	.0001
%RSD	121.8	105.3	30.19	64.18	152.2	7.947
#1	.0000	-.0004	-.0001	-.0001	.0001	-.0007
#2	-.0001	-.0001	.0000	-.0002	.0005	-.0007
#3	-.0001	.0000	.0000	.0000	-.0001	-.0006

Sample Name: CAL\_BLK Acquired: 8/16/2012 18:47:04 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0025	.0001	.0022
Stddev	.000	.0011	.0021	.0013
%RSD	3024.	44.36	1561.	57.33
#1		-.0001	.0019	.0017
#2		.0002	.0007	.0037
#3		-.0002	-.0013	.0013

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2152.9	25344.	2542.3
Stddev	2.8	134.	2.8
%RSD	.12970	.52713	.10837
#1	2154.8	25497.	2540.8
#2	2149.7	25248.	2540.7
#3	2154.3	25287.	2545.5

Sample Name: DCAL1 Acquired: 8/16/2012 18:50:49 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Cu3247	Fe2714	Ni2316
Line	324.754 {104}	271.441 {124}	231.604 {446}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S
Avg	.0052	.0011	.0064
Stddev	.0016	.0001	.0001
%RSD	31.68	8.202	1.592
#1	.0038	.0011	.0065
#2	.0070	.0010	.0063
#3	.0047	.0011	.0064

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2116.5	25162.	2511.4
Stddev	2.6	156.	9.3
%RSD	.12205	.62129	.37123
#1	2118.1	24984.	2500.9
#2	2113.5	25278.	2518.7
#3	2117.9	25224.	2514.6

Sample Name: DCAL2 Acquired: 8/16/2012 18:54:34 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0118	.0002	.0011	.4645	.0116	.5459
Stddev	.0027	.0001	.0002	.0010	.0012	.0010
%RSD	23.13	47.14	18.57	.2087	10.42	.1862

#1	.0134	.0002	.0009	.4649	.0123	.5451
#2	.0087	.0004	.0011	.4652	.0123	.5456
#3	.0134	.0002	.0014	.4634	.0102	.5471

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0139	.0401	.0018	.0088	.0015	.2008
Stddev	.0002	.0001	.0000	.0006	.0001	.0006
%RSD	1.721	.1696	2.168	6.497	4.213	.2891

#1	.0137	.0401	.0018	.0092	.0015	.2002
#2	.0140	.0401	.0018	.0090	.0014	.2014
#3	.0142	.0400	.0019	.0082	.0015	.2009

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1233	.0195	.8968	.0270	.0018	.0011
Stddev	.0002	.0002	.0030	.0002	.0001	.0005
%RSD	.1312	1.205	.3355	.6386	6.029	40.76

#1	.1231	.0197	.8993	.0268	.0019	.0007
#2	.1232	.0193	.8976	.0272	.0017	.0016
#3	.1234	.0195	.8935	.0269	.0018	.0011

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0003	.0007	.0135	.0403	.0131	.0146
Stddev	.0002	.0002	.0001	.0001	.0002	.0002
%RSD	70.79	21.15	.9322	.3182	1.225	1.372

#1	.0004	.0009	.0134	.0402	.0131	.0144
#2	.0001	.0006	.0136	.0403	.0133	.0148
#3	.0003	.0007	.0134	.0405	.0129	.0146

Sample Name: DCAL2 Acquired: 8/16/2012 18:54:34 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0070	.1850	.0146	.0130
Stddev	.0001	.0006	.0017	.0006
%RSD	1.089	.3309	11.54	4.876
#1	.0071	.1847	.0127	.0126
#2	.0071	.1858	.0159	.0127
#3	.0069	.1847	.0151	.0137

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2171.6	25437.	2566.9
Stddev	3.4	93.	8.0
%RSD	.15580	.36708	.31322
#1	2167.9	25515.	2558.2
#2	2172.5	25463.	2574.0
#3	2174.5	25334.	2568.4

Sample Name: DCAL3 Acquired: 8/16/2012 18:58:16 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>1.585</b>	<b>.0349</b>	<b>.0528</b>	<b>4.582</b>	<b>1.185</b>	<b>2.723</b>
Stddev	.004	.0002	.0001	.022	.006	.004
%RSD	.2409	.4746	.1588	.4785	.5325	.1275
#1	1.588	.0350	.0529	4.607	1.193	2.720
#2	1.586	.0349	.0528	4.571	1.183	2.727
#3	1.580	.0347	.0528	4.567	1.181	2.722
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.8897</b>	<b>.4013</b>	<b>.1746</b>	<b>.5721</b>	<b>.1663</b>	<b>.4022</b>
Stddev	.0047	.0027	.0004	.0019	.0005	.0017
%RSD	.5321	.6808	.2351	.3245	.2867	.4274
#1	.8950	.4044	.1741	.5727	.1657	.4005
#2	.8881	.3994	.1749	.5736	.1664	.4039
#3	.8859	.4000	.1748	.5700	.1667	.4023
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.6022</b>	<b>1.239</b>	<b>4.423</b>	<b>.3279</b>	<b>.3936</b>	<b>.0200</b>
Stddev	.0008	.005	.004	.0015	.0026	.0003
%RSD	.1385	.4309	.0966	.4658	.6666	1.556
#1	.6013	1.233	4.426	.3296	.3964	.0204
#2	.6024	1.242	4.424	.3271	.3932	.0198
#3	.6030	1.243	4.418	.3269	.3912	.0199
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.0244</b>	<b>.0467</b>	<b>.1346</b>	<b>.6185</b>	<b>.0626</b>	<b>.3772</b>
Stddev	.0004	.0000	.0002	.0038	.0005	.0016
%RSD	1.626	.1021	.1567	.6143	.8453	.4158
#1	.0248	.0467	.1343	.6229	.0632	.3788
#2	.0240	.0468	.1347	.6162	.0623	.3757
#3	.0245	.0467	.1347	.6165	.0623	.3772

Sample Name: DCAL3 Acquired: 8/16/2012 18:58:16 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
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Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
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IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
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Units	Cts/S	Cts/S	Cts/S	Cts/S
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Avg	.0266	9.133	1.384	.1143
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Stddev	.0002	.042	.001	.0011
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%RSD	.6840	.4566	.0887	.9521
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#1	.0268	9.158	1.383	.1151
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#2	.0264	9.155	1.385	.1146
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#3	.0265	9.085	1.384	.1130
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Int. Std.	Y_2243	Y_3600	Y_3710	
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Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
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Units	Cts/S	Cts/S	Cts/S	
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Avg	2134.8	24823.	2531.3	
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Stddev	8.8	47.	11.3	
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%RSD	.41186	.18847	.44795	
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#1	2124.9	24875.	2518.3	
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#2	2137.7	24787.	2538.6	
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#3	2141.8	24805.	2537.2	
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Sample Name: DCAL4 Acquired: 8/16/2012 19:01:44 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>7.650</b>	<b>.1714</b>	<b>.2648</b>	<b>21.90</b>	<b>5.624</b>	<b>13.14</b>
Stddev	.021	.0007	.0003	.01	.034	.01
%RSD	.2722	.3880	.1194	.0448	.5948	.1021
#1	7.673	.1722	.2644	21.91	5.661	13.15
#2	7.643	.1712	.2650	21.89	5.616	13.15
#3	7.634	.1709	.2650	21.91	5.596	13.13
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>4.193</b>	<b>1.895</b>	<b>.8218</b>	<b>2.741</b>	<b>.7860</b>	<b>1.972</b>
Stddev	.005	.002	.0013	.005	.0021	.004
%RSD	.1172	.0860	.1570	.1864	.2686	.2154
#1	4.198	1.897	.8204	2.735	.7839	1.971
#2	4.188	1.895	.8228	2.743	.7882	1.977
#3	4.193	1.894	.8223	2.744	.7859	1.968
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>2.894</b>	<b>5.910</b>	<b>21.14</b>	<b>1.548</b>	<b>1.846</b>	<b>.0975</b>
Stddev	.004	.020	.05	.002	.002	.0002
%RSD	.1497	.3318	.2552	.1462	.1041	.2060
#1	2.891	5.888	21.20	1.550	1.848	.0977
#2	2.899	5.916	21.13	1.549	1.845	.0973
#3	2.893	5.926	21.09	1.546	1.844	.0976
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.1179</b>	<b>.2148</b>	<b>.6501</b>	<b>2.884</b>	<b>.2818</b>	<b>1.826</b>
Stddev	.0002	.0005	.0017	.004	.0003	.001
%RSD	.1698	.2125	.2596	.1321	.1056	.0645
#1	.1180	.2145	.6483	2.889	.2821	1.826
#2	.1176	.2153	.6503	2.882	.2816	1.827
#3	.1180	.2146	.6516	2.882	.2816	1.825

Sample Name: DCAL4 Acquired: 8/16/2012 19:01:44 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1252	43.99	6.721	.5153
Stddev	.0001	.11	.029	.0014
%RSD	.0826	.2581	.4377	.2642
#1	.1251	44.12	6.753	.5169
#2	.1253	43.92	6.717	.5144
#3	.1252	43.92	6.694	.5146
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	2001.3	23272.	2472.0	
Stddev	5.4	53.	11.9	
%RSD	.26771	.22843	.48159	
#1	1995.1	23213.	2459.1	
#2	2004.2	23315.	2474.3	
#3	2004.6	23288.	2482.6	

Sample Name: DCAL5 Acquired: 8/16/2012 19:05:06 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>15.33</b>	<b>.3498</b>	<b>.5356</b>	<b>43.97</b>	<b>11.29</b>	<b>25.59</b>
Stddev	.09	.0011	.0010	.11	.08	.09
%RSD	.5761	.3036	.1799	.2610	.6768	.3424
#1	15.43	.3501	.5361	43.95	11.38	25.69
#2	15.32	.3507	.5362	44.09	11.25	25.53
#3	15.25	.3486	.5345	43.86	11.25	25.54
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>8.394</b>	<b>3.790</b>	<b>1.625</b>	<b>5.454</b>	<b>1.539</b>	<b>3.974</b>
Stddev	.017	.012	.006	.021	.005	.019
%RSD	.2044	.3076	.3564	.3821	.3370	.4886
#1	8.393	3.787	1.630	5.474	1.543	3.991
#2	8.411	3.803	1.627	5.432	1.540	3.979
#3	8.377	3.780	1.619	5.456	1.533	3.953
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>5.749</b>	<b>11.49</b>	<b>41.81</b>	<b>3.073</b>	<b>3.614</b>	<b>.1973</b>
Stddev	.019	.03	.29	.011	.008	.0004
%RSD	.3366	.2379	.6972	.3617	.2322	.2181
#1	5.764	11.47	42.15	3.070	3.610	.1972
#2	5.755	11.47	41.67	3.086	3.623	.1978
#3	5.727	11.52	41.62	3.065	3.607	.1969
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 { 472 }	190.856 { 477 }	292.402 { 115 }	206.200 { 463 }	208.959 { 461 }	202.030 { 467 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.2414</b>	<b>.4227</b>	<b>1.305</b>	<b>5.775</b>	<b>.5651</b>	<b>3.677</b>
Stddev	.0008	.0006	.005	.016	.0012	.013
%RSD	.3462	.1394	.3514	.2746	.2207	.3396
#1	.2412	.4222	1.310	5.767	.5639	3.670
#2	.2424	.4233	1.306	5.793	.5664	3.691
#3	.2408	.4224	1.301	5.764	.5651	3.669

Sample Name: DCAL5 Acquired: 8/16/2012 19:05:06 Type: Cal

Method: SW8460080712(v7) Mode: IR Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	<b>.2491</b>	<b>87.51</b>	<b>13.33</b>	<b>1.054</b>
Stddev	.0011	.49	.09	.006
%RSD	.4452	.5621	.6381	.5738
#1	.2485	88.06	13.43	1.049
#2	.2503	87.35	13.29	1.061
#3	.2483	87.11	13.28	1.053
Int. Std.	Y_2243	Y_3600	Y_3710	
Line	224.306 {450}	360.073 { 94}	371.030 { 91}	
Units	Cts/S	Cts/S	Cts/S	
Avg	<b>1891.2</b>	<b>22266.</b>	<b>2428.2</b>	
Stddev	2.5	39.	15.8	
%RSD	.13031	.17526	.64962	
#1	1892.6	22226.	2410.0	
#2	1888.4	22304.	2438.8	
#3	1892.7	22269.	2435.7	

Sample Name: CCV Acquired: 8/16/2012 19:08:38 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124500.	2483.	1238.	9938.	993.0	126500.
Stddev	1013.	10.	2.	49.	6.7	813.
%RSD	.8136	.4216	.1616	.4953	.6739	.6424

#1	124000.	2494.	1239.	9993.	988.5	126000.
#2	123900.	2482.	1238.	9925.	989.8	126100.
#3	125700.	2473.	1235.	9898.	1001.	127500.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1251.	2504.	5022.	12530.	100800.	49990.
Stddev	5.	11.	9.	111.	190.	476.
%RSD	.4150	.4203	.1861	.8877	.1887	.9527

#1	1257.	2516.	5032.	12460.	101100.	49740.
#2	1249.	2500.	5013.	12480.	100700.	49680.
#3	1247.	2497.	5022.	12660.	100800.	50540.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125100.	5102.	124900.	2514.	7612.	993.9
Stddev	267.	11.	708.	10.	26.	6.4
%RSD	.2136	.2136	.5664	.3815	.3428	.6456

#1	125400.	5113.	124600.	2525.	7640.	1000.
#2	125000.	5091.	124500.	2510.	7605.	994.3
#3	124900.	5103.	125800.	2507.	7589.	987.4

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/16/2012 19:08:38 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2476.	2515.	2484.	2504.	982.6	2475.
Stddev	17.	13.	3.	10.	3.9	9.
%RSD	.6999	.5192	.1051	.3906	.4016	.3719

#1	2491.	2531.	2486.	2515.	987.0	2485.
#2	2481.	2509.	2481.	2501.	981.2	2472.
#3	2457.	2507.	2484.	2497.	979.5	2468.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1002.	5011.	9988.	9781.
Stddev	7.	55.	54.	54.
%RSD	.6567	1.096	.5455	.5537

#1	1010.	4979.	9952.	9772.
#2	996.7	4979.	9960.	9731.
#3	1001.	5074.	10050.	9839.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2023.5	23572.	2477.2
Stddev	6.0	58.	14.8
%RSD	.29434	.24740	.59864

#1	2016.9	23639.	2482.7
#2	2028.4	23541.	2488.6
#3	2025.3	23536.	2460.5

Sample Name: CCB Acquired: 8/16/2012 19:12:01 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0794</b>	<b>.7970</b>	<b>.0622</b>	<b>.7762</b>	<b>-.0640</b>	<b>17.45</b>
Stddev	5.213	4.039	.2898	.4516	.2314	12.75
%RSD	6567.	506.8	466.2	58.18	361.4	73.06

#1	3.103	-.9218	-.2479	1.295	.1916	20.81
#2	-6.095	5.411	.3262	.5630	-.1243	28.19
#3	2.754	-2.099	.1082	.4707	-.2594	3.359

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1636</b>	<b>.0553</b>	<b>.8446</b>	<b>-3.203</b>	<b>22.01</b>	<b>91.09</b>
Stddev	.1675	.4077	.3382	2.917	10.22	50.87
%RSD	102.4	736.9	40.04	91.05	46.45	55.84

#1	.3562	.4658	1.220	-5.704	33.05	148.8
#2	.0522	.0497	.7499	-3.906	12.87	71.77
#3	.0825	-.3496	.5638	.0006	20.10	52.71

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15.23</b>	<b>.4179</b>	<b>46.96</b>	<b>-.6769</b>	<b>-.4620</b>	<b>.0391</b>
Stddev	15.71	.6357	32.50	.6706	1.232	2.736
%RSD	103.1	152.1	69.21	99.07	266.6	6990.

#1	32.72	1.152	72.66	.0930	-1.126	1.312
#2	10.67	.0427	10.43	-.9897	-1.219	1.906
#3	2.313	.0591	57.80	-1.134	.9593	-3.101

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 19:12:01 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.937</b>	<b>.3781</b>	<b>.6138</b>	<b>.1819</b>	<b>4.425</b>	<b>5.113</b>
Stddev	1.079	1.542	.1848	.1085	.077	2.239
%RSD	55.70	407.8	30.10	59.64	1.740	43.80
#1	.7065	-1.369	.5018	.3067	4.400	7.572
#2	2.721	.9537	.8271	.1298	4.363	4.579
#3	2.384	1.549	.5126	.1093	4.511	3.189

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3860</b>	<b>.5532</b>	<b>1.082</b>	<b>-11.57</b>
Stddev	.0878	.5171	.495	6.92
%RSD	22.76	93.47	45.75	59.80
#1	.4871	1.148	1.498	-4.548
#2	.3426	.3032	.5343	-11.77
#3	.3283	.2087	1.216	-18.38

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2161.1</b>	<b>25531.</b>	<b>2510.4</b>
Stddev	1.9	82.	18.8
%RSD	.08843	.32142	.74953
#1	2161.9	25438.	2489.6
#2	2158.9	25560.	2515.6
#3	2162.4	25594.	2526.1

Sample Name: ICSA 1552029

Acquired: 8/16/2012 19:15:47 Type: QC

Method: SW8460080712(v7)

Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>513900.</b>	<b>-3.309</b>	<b>-1.743</b>	<b>2.549</b>	<b>-.2515</b>	<b>481300.</b>
Stddev	3646.	2.855	.414	.280	.0906	1535.
%RSD	.7094	86.30	23.74	11.00	36.03	.3189
#1	509800.	-.3502	-2.182	2.288	-.2065	479900.
#2	515300.	-6.048	-1.361	2.514	-.3559	481100.
#3	516700.	-3.528	-1.686	2.845	-.1923	482900.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.5622</b>	<b>-1.352</b>	<b>.5829</b>	<b>-7.862</b>	<b>202200.</b>	<b>-260.4</b>
Stddev	.1366	.180	1.085	5.321	243.	45.2
%RSD	24.29	13.32	186.1	67.67	.1199	17.36
#1	-.5283	-1.368	.1825	-5.043	202000.	-296.7
#2	-.4458	-1.523	-.2450	-4.545	202500.	-274.8
#3	-.7126	-1.164	1.811	-14.00	202200.	-209.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>522100.</b>	<b>-1.488</b>	<b>-74.37</b>	<b>.2869</b>	<b>-1.130</b>	<b>2.762</b>
Stddev	2383.	.088	23.95	.5187	2.406	4.329
%RSD	.4563	5.913	32.20	180.8	212.9	156.7
#1	524800.	-1.524	-74.38	.6871	-3.721	6.959
#2	520400.	-1.388	-50.41	.4728	-.7020	-1.688
#3	521000.	-1.552	-98.31	-.2991	1.033	3.016

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: ICSA 1552029

Acquired: 8/16/2012 19:15:47 Type: QC

Method: SW8460080712(v7)

Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.295</b>	<b>-3.867</b>	<b>-3.039</b>	<b>.7287</b>	<b>2.308</b>	<b>-1.284</b>
Stddev	1.465	4.137	.910	.3098	1.279	.666
%RSD	63.84	107.0	29.96	42.52	55.41	51.86
#1	3.293	-5.531	-2.062	.9486	3.629	-1.045
#2	2.978	.8423	-3.863	.3744	1.075	-2.036
#3	.6131	-6.914	-3.191	.8631	2.221	-.7705

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>3.477</b>	<b>.3026</b>	<b>2.912</b>	<b>3.054</b>
Stddev	.488	.2680	1.404	24.30
%RSD	14.04	88.56	48.20	795.7
#1	3.089	.2816	2.346	10.11
#2	3.316	.5805	4.510	-23.99
#3	4.025	.0457	1.880	23.04

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>1984.3</b>	<b>22325.</b>	<b>2452.1</b>
Stddev	2.7	15.	16.6
%RSD	.13637	.06600	.67535
#1	1985.8	22335.	2471.0
#2	1985.9	22333.	2445.0
#3	1981.2	22308.	2440.3

Sample Name: ICSAB 1604491 Acquired: 8/16/2012 19:19:37 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>512200.</b>	<b>96.93</b>	<b>103.2</b>	<b>100.8</b>	<b>99.67</b>	<b>473000.</b>
Stddev	999.	1.50	.5	.5	.31	1917.
%RSD	.1950	1.550	.4537	.4827	.3121	.4053
#1	511100.	96.86	103.5	100.7	99.43	473200.
#2	512600.	95.46	102.7	101.3	99.57	474800.
#3	512900.	98.46	103.4	100.3	100.0	470900.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>97.25</b>	<b>95.67</b>	<b>101.3</b>	<b>93.85</b>	<b>201900.</b>	<b>10370.</b>
Stddev	.34	.19	.8	6.13	424.	46.
%RSD	.3541	.1942	.7475	6.528	.2097	.4446
#1	97.56	95.55	101.5	100.0	201500.	10330.
#2	97.31	95.88	102.0	93.71	202300.	10420.
#3	96.88	95.57	100.5	87.79	201900.	10360.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>522800.</b>	<b>101.1</b>	<b>10520.</b>	<b>95.70</b>	<b>93.25</b>	<b>96.21</b>
Stddev	1950.	.0	7.	1.44	.72	4.28
%RSD	.3729	.0265	.0693	1.509	.7726	4.452
#1	520700.	101.1	10520.	97.07	92.79	95.46
#2	523100.	101.1	10530.	95.86	94.08	100.8
#3	524600.	101.1	10520.	94.19	92.88	92.36

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: ICSAB 1604491 Acquired: 8/16/2012 19:19:37 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>98.89</b>	<b>92.85</b>	<b>97.46</b>	<b>98.57</b>	<b>95.29</b>	<b>94.54</b>
Stddev	2.84	4.15	.44	.25	.94	.77
%RSD	2.867	4.473	.4544	.2575	.9847	.8096
#1	97.83	93.85	97.01	98.71	96.37	94.83
#2	96.74	96.41	97.48	98.73	94.86	95.13
#3	102.1	88.29	97.90	98.28	94.65	93.68

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>98.31</b>	<b>101.9</b>	<b>100.8</b>	<b>42.72</b>
Stddev	1.08	.7	.5	3.16
%RSD	1.101	.6943	.4957	7.396
#1	97.44	101.3	101.1	40.63
#2	99.52	101.6	100.3	46.36
#3	97.97	102.7	101.2	41.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>1990.6</b>	<b>22431.</b>	<b>2477.5</b>
Stddev	5.1	98.	8.6
%RSD	.25390	.43661	.34722
#1	1995.6	22544.	2487.3
#2	1985.5	22385.	2471.3
#3	1990.9	22365.	2473.8

Sample Name: INT-10 1604494 Acquired: 8/16/2012 19:23:19 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-4.732</b>	<b>F -35.72</b>	<b>1.223</b>	<b>-.8519</b>	<b>-1.035</b>	<b>80.74</b>
Stddev	58.92	5.63	.523	.1824	.252	46.28
%RSD	1245.	15.75	42.73	21.41	24.34	57.32
#1	61.68	-37.74	.7740	-.7132	-1.157	133.0
#2	-25.15	-40.06	1.098	-.7840	-1.204	45.10
#3	-50.73	-29.36	1.797	-1.058	-.7456	64.07

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.00				
Low Limit		-10.00				

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.3988</b>	<b>10770.</b>	<b>10240.</b>	<b>-.8775</b>	<b>25.73</b>	<b>82.80</b>
Stddev	.0527	17.	17.	2.638	21.97	51.86
%RSD	13.21	.1600	.1650	30.07	85.37	62.63
#1	-.4578	10770.	10260.	-8.832	50.95	115.8
#2	-.3821	10780.	10230.	-11.38	15.47	23.02
#3	-.3565	10750.	10220.	-6.109	10.77	109.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>52.79</b>	<b>10390.</b>	<b>-3.691</b>	<b>10840.</b>	<b>-6.951</b>	<b>1.125</b>
Stddev	34.57	48.	21.29	19.	.582	1.598
%RSD	65.48	.4608	576.9	.1752	8.368	142.1
#1	90.98	10440.	17.71	10830.	-6.423	.9569
#2	43.72	10340.	-3.911	10860.	-6.856	2.801
#3	23.66	10380.	-24.87	10830.	-7.575	-.3829

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: INT-10 1604494 Acquired: 8/16/2012 19:23:19 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3022	-5331	4889.	-3.211	68.57	5034.
Stddev	.9115	.8403	7.	.231	.81	20.
%RSD	301.6	157.6	.1375	7.180	1.182	.4040
#1	.0953	-2714	4895.	-3.477	68.70	5012.
#2	-4881	.1451	4882.	-3.082	67.70	5053.
#3	1.299	-1.473	4889.	-3.074	69.31	5036.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	10480.	9969.	9868.	10020.
Stddev	17.	45.	37.	179.
%RSD	.1670	.4526	.3719	1.783
#1	10470.	10020.	9910.	9836.
#2	10490.	9942.	9852.	10030.
#3	10460.	9944.	9843.	10190.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2124.0	25755.	2570.4
Stddev	6.3	26.	3.3
%RSD	.29795	.10166	.12659
#1	2130.2	25727.	2567.0
#2	2124.1	25758.	2570.8
#3	2117.5	25779.	2573.5

Sample Name:	460-43342-d-1-e du	Acquired:	8/16/2012 19:27:04	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>35.91</b>	<b>3.045</b>	<b>-.7460</b>	<b>167.8</b>	<b>-.2340</b>	<b>91120.</b>
Stddev	6.74	2.017	.5917	1.5	.1236	1292.
%RSD	18.77	66.24	79.31	.8749	52.83	1.418
#1	31.17	4.862	-1.019	169.1	-.1062	92500.
#2	32.93	.8749	-1.152	166.2	-.3530	90940.
#3	43.62	3.398	-.0672	168.0	-.2427	89930.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0872</b>	<b>-.6544</b>	<b>.4317</b>	<b>-5.880</b>	<b>88.89</b>	<b>11230.</b>
Stddev	.0575	.5876	1.119	2.858	9.35	184.
%RSD	65.99	89.80	259.3	48.61	10.51	1.635
#1	.0211	-.0743	.9999	-7.120	78.27	11440.
#2	.1261	-1.249	-.8579	-7.908	95.85	11120.
#3	.1143	-.6395	1.153	-2.611	92.55	11130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15670.</b>	<b>693.9</b>	<b>202100.</b>	<b>.6290</b>	<b>-1.624</b>	<b>.5218</b>
Stddev	129.	7.3	3376.	.1997	2.117	1.668
%RSD	.8221	1.048	1.671	31.75	130.4	319.7
#1	15820.	702.0	205700.	.5648	-2.651	2.166
#2	15610.	691.9	201600.	.8529	-3.031	.5687
#3	15580.	687.8	199000.	.4693	.8107	-1.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43342-d-1-e du Acquired: 8/16/2012 19:27:04 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.7235	-7.555	4.858	14.63	1806.	12.13
Stddev	4.163	3.820	.409	.25	11.	5.14
%RSD	575.4	505.6	8.419	1.697	.5828	42.37
#1	5.526	-4.848	5.196	14.65	1815.	17.74
#2	-1.498	-1.331	4.404	14.38	1795.	11.01
#3	-1.857	2.715	4.976	14.87	1808.	7.647

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.253	669.7	6.585	18060.
Stddev	1.854	9.1	3.107	105.
%RSD	82.31	1.358	47.19	.5835
#1	4.238	679.1	10.13	18140.
#2	.5655	669.2	4.342	17940.
#3	1.955	660.9	5.281	18110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2120.1	24075.	2555.1
Stddev	14.2	54.	26.1
%RSD	.66873	.22252	1.0198
#1	2121.8	24032.	2528.4
#2	2133.4	24058.	2556.2
#3	2105.2	24135.	2580.5

Sample Name: 460-43342-d-1-d Acquired: 8/16/2012 19:30:43 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>73.20</b>	<b>1.547</b>	<b>.3147</b>	<b>171.7</b>	<b>-.1543</b>	<b>93600.</b>
Stddev	13.62	2.168	1.150	.7	.1425	323.
%RSD	18.60	140.2	365.4	.4301	92.37	.3445
#1	88.28	-4742	1.607	172.4	-.1095	93460.
#2	61.80	3.837	-.5954	171.8	-.3139	93370.
#3	69.50	1.277	-.0673	170.9	-.0396	93970.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0429</b>	<b>-.3852</b>	<b>.0570</b>	<b>-6.651</b>	<b>81.42</b>	<b>11530.</b>
Stddev	.0562	.3752	.2471	1.678	11.66	93.
%RSD	131.0	97.39	433.9	25.23	14.32	.8080
#1	.0743	.0143	.3196	-8.315	91.07	11450.
#2	.0765	-.7300	.0222	-4.960	68.47	11510.
#3	-.0220	-.4401	-.1709	-6.678	84.73	11630.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15880.</b>	<b>708.0</b>	<b>206300.</b>	<b>.7905</b>	<b>-.0325</b>	<b>3.324</b>
Stddev	33.	1.7	601.	.4247	.5886	.466
%RSD	.2109	.2417	.2915	53.72	1813.	14.02
#1	15910.	706.4	206900.	1.121	-.2993	2.953
#2	15900.	709.8	205700.	.9392	-.4404	3.848
#3	15840.	707.7	206400.	.3115	.6423	3.173

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43342-d-1-d Acquired: 8/16/2012 19:30:43 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1356	-1.506	4.405	14.28	1844.	3.365
Stddev	3.099	3.230	.415	.34	6.	.532
%RSD	2286.	214.5	9.420	2.364	.3479	15.82
#1	2.259	-0.0223	4.601	14.43	1849.	3.788
#2	1.568	-5.211	4.686	14.52	1846.	3.539
#3	-3.421	.7161	3.929	13.89	1837.	2.767

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.6371	684.2	4.681	18580.
Stddev	.6139	3.9	1.914	47.
%RSD	96.35	.5723	40.88	.2541
#1	1.241	680.5	6.490	18590.
#2	.6563	683.7	4.877	18620.
#3	.0139	688.3	2.677	18530.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2111.1	24185.	2547.0
Stddev	5.9	51.	9.4
%RSD	.27913	.21228	.36717
#1	2107.5	24221.	2556.6
#2	2108.0	24207.	2546.5
#3	2117.9	24126.	2538.0

Sample Name: sd 460-43342-d-1-d@5 Acquired: 8/16/2012 19:34:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-18.91</b>	<b>.0189</b>	<b>-.7595</b>	<b>34.06</b>	<b>-.1061</b>	<b>18720.</b>
Stddev	14.81	1.319	.6353	.22	.0881	71.
%RSD	78.30	6999.	83.65	.6494	83.06	.3780
#1	-35.82	1.256	-.8574	34.31	-.1854	18640.
#2	-8.251	-1.370	-1.340	33.88	-.0113	18730.
#3	-12.67	.1707	-.0809	34.00	-.1215	18780.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0229</b>	<b>-.2949</b>	<b>.0723</b>	<b>-3.688</b>	<b>11.11</b>	<b>2272.</b>
Stddev	.0315	.3180	.0906	4.491	9.59	30.
%RSD	137.3	107.8	125.3	121.8	86.32	1.324
#1	-.0095	-.6609	.0349	.3801	5.947	2260.
#2	-.0589	-.0856	.0064	-8.508	22.17	2306.
#3	-.0004	-.1383	.1756	-2.937	5.207	2250.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3155.</b>	<b>141.0</b>	<b>41590.</b>	<b>-.0227</b>	<b>-1.561</b>	<b>1.806</b>
Stddev	13.	.7	231.	.3685	1.462	.705
%RSD	.4062	.4751	.5556	1622.	93.68	39.05
#1	3170.	141.8	41320.	-.0522	-1.042	1.130
#2	3151.	140.5	41710.	.3596	-3.212	2.537
#3	3145.	140.8	41740.	-.3756	-.4286	1.751

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43342-d-1-d@5 Acquired: 8/16/2012 19:34:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8460	-1.791	1.057	3.347	357.4	1.551
Stddev	5.626	1.092	.317	.097	3.0	.480
%RSD	665.0	60.96	29.97	2.908	.8487	30.94
#1	6.570	-.5825	.7950	3.254	358.7	2.086
#2	-4.677	-2.706	.9665	3.448	359.5	1.158
#3	.6457	-2.085	1.409	3.340	353.9	1.409

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	-.0176	136.1	.8038	3467.
Stddev	1.626	.7	.7491	22.
%RSD	9240.	.4944	93.20	.6265
#1	.5358	135.3	.1057	3480.
#2	1.259	136.6	1.595	3442.
#3	-1.848	136.2	.7104	3479.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2150.9	24967.	2551.3
Stddev	3.7	77.	11.1
%RSD	.17407	.30734	.43430
#1	2146.7	24897.	2564.1
#2	2152.2	25049.	2543.7
#3	2153.8	24956.	2546.2

Sample Name:	460-43342-d-1-f ms	Acquired:	8/16/2012 19:38:04	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2024.	2028.	49.15	2129.	49.96	111100.
Stddev	15.	5.	1.38	1.	.30	509.
%RSD	.7447	.2419	2.802	.0659	.6058	.4583
#1	2036.	2029.	49.44	2128.	49.87	111600.
#2	2030.	2032.	50.35	2130.	50.30	111100.
#3	2007.	2022.	47.65	2128.	49.71	110600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.34	492.7	202.4	243.5	1099.	31050.
Stddev	.15	.7	.2	2.0	10.	100.
%RSD	.3014	.1346	.1221	.8219	.9161	.3206
#1	50.22	493.4	202.1	245.4	1089.	30980.
#2	50.51	492.2	202.5	243.7	1100.	31170.
#3	50.29	492.3	202.6	241.4	1109.	31010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	35150.	1206.	220100.	500.0	501.5	493.0
Stddev	26.	3.	1538.	1.2	.9	7.2
%RSD	.0727	.2432	.6989	.2320	.1819	1.461
#1	35130.	1206.	221600.	501.4	502.3	498.4
#2	35160.	1210.	220100.	499.5	500.5	495.7
#3	35180.	1204.	218500.	499.2	501.8	484.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43342-d-1-f.ms Acquired: 8/16/2012 19:38:04 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1989.	2014.	502.7	522.1	F 2296.	488.4
Stddev	7.	5.	2.1	1.3	4.	2.3
%RSD	.3609	.2467	.4197	.2419	.1707	.4712
#1	1996.	2008.	500.3	523.4	2295.	485.7
#2	1982.	2014.	503.5	521.9	2300.	489.9
#3	1988.	2018.	504.3	520.9	2293.	489.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	508.4	1153.	514.1	18290.
Stddev	.1	5.	2.9	51.
%RSD	.0118	.4298	.5615	.2807
#1	508.4	1151.	515.6	18310.
#2	508.4	1158.	515.9	18230.
#3	508.5	1149.	510.8	18320.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2106.2	24012.	2539.1
Stddev	8.1	144.	6.1
%RSD	.38352	.59845	.24215
#1	2111.9	24160.	2545.3
#2	2109.7	24003.	2533.1
#3	2096.9	23873.	2539.0

Sample Name:	pds 460-43342-d-1-d	Acquired:	8/16/2012 19:41:31	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2014.	1992.	48.75	2106.	49.47	111300.
Stddev	14.	6.	.29	2.	.34	790.
%RSD	.6875	.2923	.5860	.0867	.6845	.7096

#1	2020.	1998.	48.55	2107.	49.34	111900.
#2	2024.	1986.	48.62	2107.	49.21	110400.
#3	1999.	1993.	49.08	2104.	49.85	111700.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.28	485.7	200.5	241.7	1090.	30740.
Stddev	.07	.2	.9	2.6	6.	192.
%RSD	.1449	.0379	.4516	1.080	.5915	.6258
#1	49.33	485.9	201.6	240.8	1083.	30660.
#2	49.20	485.6	200.1	239.6	1096.	30600.
#3	49.33	485.6	199.9	244.6	1091.	30960.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	34820.	1204.	220600.	490.9	488.6	490.2
Stddev	140.	4.	1681.	.6	3.3	.6
%RSD	.4027	.2980	.7621	.1305	.6746	.1242
#1	34960.	1206.	222100.	490.1	491.7	490.7
#2	34810.	1200.	218800.	491.3	485.1	490.2
#3	34680.	1205.	220900.	491.2	488.9	489.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43342-d-1-d Acquired: 8/16/2012 19:41:31 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1932.	1975.	495.2	511.7	F 2290.	483.0
Stddev	5.	1.	2.8	.9	.	1.1
%RSD	.2547	.0605	.5612	.1811	.0131	.2368
#1	1937.	1977.	497.4	512.5	2290.	481.7
#2	1929.	1974.	496.1	511.8	2290.	483.7
#3	1928.	1975.	492.0	510.7	2290.	483.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	500.4	1153.	510.4	18450.
Stddev	1.2	7.	5.6	47.
%RSD	.2424	.6083	1.106	.2544
#1	501.7	1157.	516.9	18490.
#2	500.2	1145.	507.2	18400.
#3	499.3	1156.	507.0	18470.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2093.1	23857.	2517.8
Stddev	7.0	32.	6.2
%RSD	.33552	.13232	.24535
#1	2100.8	23893.	2520.4
#2	2091.3	23835.	2522.2
#3	2087.1	23843.	2510.7

Sample Name: 460-43392-f-1-a Acquired: 8/16/2012 19:44:58 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>31.99</b>	<b>4.091</b>	<b>-.8429</b>	<b>488.9</b>	<b>.0163</b>	<b>45530.</b>
Stddev	36.88	2.598	1.234	1.6	.2447	309.
%RSD	115.3	63.52	146.4	.3219	1498.	.6797
#1	74.57	5.986	.4466	490.3	.2303	45220.
#2	11.19	1.129	-2.013	489.3	.0692	45840.
#3	10.21	5.157	-.9621	487.2	-.2505	45520.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0504</b>	<b>.5996</b>	<b>6.026</b>	<b>-4.863</b>	<b>144.5</b>	<b>3516.</b>
Stddev	.0985	.3570	.464	1.314	22.0	75.
%RSD	195.4	59.54	7.705	27.01	15.25	2.137
#1	.0941	.7725	6.371	-3.961	163.8	3502.
#2	-.0624	.1891	5.498	-4.259	120.5	3597.
#3	.1196	.8371	6.208	-6.371	149.2	3449.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37920.</b>	<b>24.69</b>	<b>39250.</b>	<b>31.37</b>	<b>.9536</b>	<b>2.963</b>
Stddev	190.	.17	229.	.58	.9737	3.350
%RSD	.5015	.6809	.5826	1.844	102.1	113.1
#1	38110.	24.79	39030.	31.83	-.1622	5.092
#2	37920.	24.78	39490.	31.55	1.631	4.696
#3	37730.	24.50	39220.	30.72	1.392	-.8985

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43392-f-1-a Acquired: 8/16/2012 19:44:58 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.803</b>	<b>.0646</b>	<b>.5794</b>	<b>25.92</b>	<b>57.46</b>	<b>2.082</b>
Stddev	2.733	1.161	.4097	.27	1.89	.610
%RSD	56.91	1796.	70.71	1.051	3.295	29.28
#1	7.923	-.2582	1.041	26.19	58.57	2.784
#2	3.658	1.353	.4384	25.92	58.54	1.778
#3	2.829	-.9007	.2588	25.64	55.27	1.684

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.447</b>	<b>387.7</b>	<b>2.215</b>	<b>10130.</b>
Stddev	.739	1.3	.845	59.
%RSD	51.05	.3286	38.16	.5836
#1	1.786	386.4	1.815	10190.
#2	.5999	388.9	3.187	10080.
#3	1.956	387.9	1.644	10110.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2142.9</b>	<b>24822.</b>	<b>2514.0</b>
Stddev	2.4	71.	16.3
%RSD	.11416	.28775	.64956
#1	2140.8	24904.	2530.5
#2	2142.3	24790.	2497.8
#3	2145.6	24772.	2513.7

Sample Name: lcs 460-124197/2-a Acquired: 8/16/2012 19:48:39 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1977.	1963.	49.16	1978.	49.82	20700.
Stddev	28.	1.	1.06	5.	.43	137.
%RSD	1.396	.0589	2.152	.2576	.8647	.6608
#1	2008.	1964.	49.22	1981.	49.44	20850.
#2	1958.	1963.	50.18	1982.	50.29	20670.
#3	1964.	1962.	48.07	1973.	49.74	20580.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	51.07	503.1	201.9	246.3	1032.	20010.
Stddev	.16	1.5	1.1	4.4	12.	66.
%RSD	.3209	.2978	.5655	1.805	1.188	.3288
#1	51.24	504.3	200.7	241.9	1045.	20080.
#2	51.04	503.7	203.0	250.8	1022.	20000.
#3	50.92	501.4	201.9	246.0	1028.	19950.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19740.	525.4	20240.	511.2	512.4	485.2
Stddev	37.	1.0	104.	1.5	2.0	2.3
%RSD	.1861	.1850	.5151	.2948	.3808	.4674
#1	19700.	526.4	20360.	511.1	512.0	487.8
#2	19760.	525.3	20170.	512.8	514.5	483.5
#3	19770.	524.4	20180.	509.8	510.7	484.3

Check ?	Chk Pass					
Value Range						

Sample Name: lcs 460-124197/2-a Acquired: 8/16/2012 19:48:39 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1964.	2119.	489.2	509.8	494.6	483.9
Stddev	5.	5.	.1	1.6	1.9	1.1
%RSD	.2741	.2375	.0137	.3173	.3821	.2195
#1	1970.	2124.	489.1	511.1	493.3	483.4
#2	1959.	2120.	489.3	510.4	496.8	485.1
#3	1964.	2114.	489.2	508.0	493.8	483.2

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	512.1	492.2	510.8	F 52.00
Stddev	1.9	3.0	2.8	22.30
%RSD	.3651	.6176	.5497	42.89
#1	511.9	495.5	514.1	28.72
#2	514.0	491.5	509.1	54.12
#3	510.3	489.5	509.2	73.17

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value Range				2000. -15.00%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2167.3	25201.	2534.6
Stddev	4.7	169.	10.3
%RSD	.21457	.66948	.40817
#1	2163.7	25391.	2527.0
#2	2165.6	25145.	2546.4
#3	2172.5	25067.	2530.5

Sample Name: CCV Acquired: 8/16/2012 19:52:09 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	125200.	2467.	1233.	9897.	1001.	127000.
Stddev	953.	2.	2.	21.	7.	984.
%RSD	.7616	.0825	.1823	.2138	.6731	.7745

#1	126000.	2464.	1231.	9877.	1008.	128100.
#2	124100.	2467.	1235.	9895.	994.5	126300.
#3	125300.	2468.	1232.	9919.	1002.	126700.

Check ? Value Range	Chk Pass					
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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1243.	2493.	5018.	12620.	100400.	49980.
Stddev	3.	8.	9.	105.	131.	389.
%RSD	.2118	.3066	.1829	.8278	.1308	.7780

#1	1240.	2484.	5020.	12740.	100500.	50340.
#2	1244.	2496.	5026.	12540.	100500.	49570.
#3	1245.	2498.	5008.	12590.	100300.	50040.

Check ? Value Range	Chk Pass					
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Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	5098.	125300.	2502.	7563.	989.6
Stddev	104.	9.	905.	5.	15.	2.4
%RSD	.0832	.1863	.7222	.1879	.1924	.2430

#1	124400.	5104.	126300.	2497.	7547.	987.8
#2	124500.	5103.	124600.	2503.	7569.	992.3
#3	124300.	5087.	125100.	2506.	7574.	988.7

Check ? Value Range	Chk Pass					
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Sample Name: CCV Acquired: 8/16/2012 19:52:09 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2452.	2501.	2470.	2488.	975.6	2463.
Stddev	10.	4.	2.	7.	2.3	10.
%RSD	.3995	.1710	.0871	.2713	.2344	.4224

#1	2444.	2505.	2471.	2480.	973.4	2452.
#2	2448.	2502.	2471.	2490.	975.3	2465.
#3	2463.	2496.	2467.	2493.	978.0	2473.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	996.5	5050.	10060.	9841.
Stddev	4.1	44.	52.	68.
%RSD	.4118	.8727	.5200	.6907

#1	992.1	5091.	10110.	9858.
#2	997.1	5003.	10010.	9766.
#3	1000.	5056.	10060.	9899.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2016.6	23440.	2478.6
Stddev	.1	123.	17.5
%RSD	.00291	.52670	.70630

#1	2016.6	23307.	2459.0
#2	2016.6	23464.	2492.6
#3	2016.5	23551.	2484.3

Sample Name: CCB Acquired: 8/16/2012 19:55:30 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.481</b>	<b>1.044</b>	<b>.0483</b>	<b>.4579</b>	<b>-.1117</b>	<b>-11.48</b>
Stddev	23.64	1.344	.1465	.3338	.0511	4.49
%RSD	431.3	128.8	303.5	72.89	45.69	39.09
#1	32.75	1.602	-.0814	.8300	-.0917	-6.304
#2	-9.315	2.020	.2072	.3591	-.1698	-14.25
#3	-6.988	-.4895	.0191	.1847	-.0738	-13.90

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0296</b>	<b>-.3024</b>	<b>.6092</b>	<b>-6.516</b>	<b>10.34</b>	<b>33.88</b>
Stddev	.1512	.2520	.6707	.466	15.20	108.3
%RSD	510.5	83.32	110.1	7.158	147.0	319.6
#1	.0269	-.1461	-.0975	-6.083	27.80	148.8
#2	.1822	-.1680	1.237	-6.455	3.138	-66.13
#3	-.1202	-.5930	.6881	-7.010	.0811	18.93

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.448</b>	<b>.3194</b>	<b>46.83</b>	<b>.1374</b>	<b>-1.250</b>	<b>1.145</b>
Stddev	2.666	.3012	28.91	.1340	1.950	2.833
%RSD	41.36	94.30	61.72	97.50	156.0	247.5
#1	9.243	.6610	75.12	.1776	.7013	-2.080
#2	6.168	.2054	48.05	.2467	-3.198	3.233
#3	3.932	.0919	17.34	-.0121	-1.252	2.282

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 19:55:30 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.893</b>	<b>-1.925</b>	<b>.5254</b>	<b>.4512</b>	<b>6.192</b>	<b>4.333</b>
Stddev	3.691	2.502	.0755	.2777	1.037	2.125
%RSD	127.6	130.0	14.37	61.56	16.74	49.05

#1	3.133	.3681	.6028	.7082	7.277	6.635
#2	6.459	-1.549	.5215	.4888	5.211	3.919
#3	-.9118	-4.593	.4519	.1565	6.090	2.446

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.8838</b>	<b>.3998</b>	<b>2.877</b>	<b>-2.046</b>
Stddev	1.053	.5049	1.077	13.66
%RSD	119.2	126.3	37.45	667.5

#1	-.1288	.9808	4.104	-7.845
#2	1.974	.0668	2.085	-11.85
#3	.8066	.1519	2.443	13.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2148.2</b>	<b>25479.</b>	<b>2491.0</b>
Stddev	6.4	47.	14.3
%RSD	.29785	.18586	.57389

#1	2155.4	25515.	2480.0
#2	2143.2	25497.	2507.1
#3	2146.1	25425.	2485.9

Sample Name: mb 460-124197/1-a Acquired: 8/16/2012 19:59:17 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.59</b>	<b>.5160</b>	<b>-.2222</b>	<b>.1017</b>	<b>-.2162</b>	<b>13.79</b>
Stddev	23.64	2.862	.9877	.1560	.1377	9.31
%RSD	187.8	554.8	444.5	153.3	63.68	67.53
#1	13.10	-.7807	.2658	.2428	-.1454	24.07
#2	-17.42	-1.469	-1.359	.1282	-.1283	11.34
#3	-33.44	3.797	.4265	-.0658	-.3748	5.943

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0621</b>	<b>-.4132</b>	<b>.7376</b>	<b>-.7.416</b>	<b>5.418</b>	<b>47.10</b>
Stddev	.0125	.0357	.2971	1.743	10.63	46.55
%RSD	20.18	8.632	40.28	23.51	196.2	98.84
#1	.0742	-.3727	1.078	-9.421	-6.854	88.69
#2	.0630	-.4268	.6021	-6.263	11.61	-3.185
#3	.0492	-.4401	.5324	-6.563	11.50	55.78

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.731</b>	<b>.0014</b>	<b>22.79</b>	<b>-.2443</b>	<b>-.6346</b>	<b>.9997</b>
Stddev	2.690	.0439	22.30	.4478	.9118	2.679
%RSD	98.52	3059.	97.83	183.3	143.7	268.0
#1	2.989	-.0468	47.36	.0612	.3454	1.737
#2	5.282	.0392	17.19	-.7584	-1.458	-1.971
#3	-.0796	.0119	3.829	-.0357	-.7913	3.233

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-124197/1-a Acquired: 8/16/2012 19:59:17 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.646</b>	<b>-1.541</b>	<b>.4101</b>	<b>1.200</b>	<b>4.199</b>	<b>.7785</b>
Stddev	5.944	.444	.2022	.167	.319	.3261
%RSD	163.0	28.84	49.29	13.94	7.606	41.89
#1	3.458	-1.497	.3385	1.305	4.561	1.155
#2	-2.202	-1.120	.2536	1.287	4.078	.5835
#3	9.682	-2.005	.6384	1.007	3.957	.5971

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.324</b>	<b>-.0435</b>	<b>1.997</b>	<b>-.9259</b>
Stddev	.247	.1079	2.152	7.528
%RSD	18.68	248.2	107.7	813.1
#1	1.423	-.0897	.6106	7.760
#2	1.507	.0798	4.476	-5.585
#3	1.043	-.1204	.9052	-4.952

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2209.6</b>	<b>26137.</b>	<b>2568.0</b>
Stddev	2.6	176.	6.6
%RSD	.11627	.67214	.25655
#1	2212.4	26326.	2571.1
#2	2209.1	26106.	2572.4
#3	2207.3	25979.	2560.4

Sample Name: 460-43382-f-1-b Acquired: 8/16/2012 20:03:02 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>18.63</b>	<b>.9971</b>	<b>-.7805</b>	<b>34.12</b>	<b>-.2393</b>	<b>28620.</b>
Stddev	10.91	.7489	1.723	.02	.1129	337.
%RSD	58.55	75.10	220.8	.0642	47.20	1.176
#1	10.73	1.217	-1.399	34.11	-.3324	29000.
#2	31.07	.1630	-2.109	34.15	-.1136	28360.
#3	14.08	1.612	1.167	34.11	-.2718	28490.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0664</b>	<b>-.0459</b>	<b>1.308</b>	<b>-8.984</b>	<b>102.3</b>	<b>27610.</b>
Stddev	.0510	.7502	.757	4.814	4.8	188.
%RSD	76.85	1635.	57.90	53.58	4.732	.6820
#1	.0367	-.0399	2.174	-8.910	103.1	27770.
#2	.1253	-.7991	.9809	-13.83	106.6	27400.
#3	.0371	.7013	.7693	-4.207	97.06	27660.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>27300.</b>	<b>66.85</b>	<b>F 426300.</b>	<b>2.448</b>	<b>.7162</b>	<b>1.669</b>
Stddev	112.	.23	7605.	.296	1.959	.393
%RSD	.4092	.3476	1.784	12.09	273.5	23.51
#1	27180.	66.91	435000.	2.125	.5198	1.997
#2	27340.	67.04	422700.	2.706	2.766	1.234
#3	27400.	66.59	421100.	2.513	-1.137	1.777

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			250000.			
Low Limit			-5000.			

Sample Name: 460-43382-f-1-b Acquired: 8/16/2012 20:03:02 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.601</b>	<b>-0.0141</b>	<b>1.083</b>	<b>1.816</b>	<b>197.5</b>	<b>5.078</b>
Stddev	2.551	2.057	.600	.101	1.5	.352
%RSD	159.3	14540.	55.41	5.536	.7600	6.931
#1	3.784	-2.254	.3946	1.845	199.2	4.845
#2	-1.203	1.791	1.496	1.704	196.3	4.906
#3	2.222	.4199	1.358	1.899	197.1	5.483

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.6010</b>	<b>336.6</b>	<b>2.578</b>	<b>6373.</b>
Stddev	.6221	2.3	1.467	19.
%RSD	103.5	.6740	56.91	.3037
#1	.9346	339.1	1.025	6392.
#2	.9852	334.8	2.769	6373.
#3	-.1167	335.9	3.940	6354.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2080.3</b>	<b>23509.</b>	<b>2526.1</b>
Stddev	1.3	58.	10.4
%RSD	.06125	.24732	.41292
#1	2081.8	23554.	2516.3
#2	2079.5	23443.	2537.0
#3	2079.7	23530.	2525.0

Sample Name: 460-43444-c-1-a Acquired: 8/16/2012 20:06:44 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.397</b>	<b>.3540</b>	<b>-1.228</b>	<b>.4374</b>	<b>-.1710</b>	<b>38270.</b>
Stddev	12.19	2.367	.914	.1547	.1031	415.
%RSD	145.2	668.7	74.40	35.37	60.27	1.083
#1	-4.996	3.087	-2.040	.5452	-.0594	38740.
#2	18.85	-1.007	-2.388	.5070	-.2625	38070.
#3	11.34	-1.018	-1.406	.2601	-.1911	37980.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0536</b>	<b>-.2553</b>	<b>1.086</b>	<b>-3.307</b>	<b>4.995</b>	<b>1791.</b>
Stddev	.0772	.1986	.453	3.809	6.011	84.
%RSD	144.0	77.79	41.70	115.2	120.3	4.670
#1	-.0336	-.0446	.9756	1.085	2.879	1837.
#2	.1131	-.4389	.6983	-5.303	.3285	1695.
#3	.0813	-.2823	1.583	-5.703	11.78	1842.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16260.</b>	<b>12.17</b>	<b>6638.</b>	<b>2.095</b>	<b>-.0041</b>	<b>1.248</b>
Stddev	53.	.06	94.	.216	.4851	2.112
%RSD	.3244	.4803	1.416	10.32	11790.	169.3
#1	16200.	12.22	6745.	2.206	-.5097	3.337
#2	16300.	12.11	6568.	2.234	.0398	1.290
#3	16280.	12.17	6601.	1.846	.4575	-.8852

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43444-c-1-a Acquired: 8/16/2012 20:06:44 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.892</b>	<b>-8951</b>	<b>1.230</b>	<b>6.849</b>	<b>45.54</b>	<b>1.142</b>
Stddev	3.044	3.196	.212	.179	.86	.189
%RSD	105.2	357.1	17.27	2.617	1.892	16.53
#1	4.183	2.591	1.166	6.940	45.16	1.254
#2	5.077	-3.687	1.467	6.643	46.52	1.248
#3	-.5840	-1.589	1.057	6.964	44.93	.9242

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3798</b>	<b>101.9</b>	<b>2.213</b>	<b>18330.</b>
Stddev	.6388	.5	1.409	106.
%RSD	168.2	.4617	63.65	.5758
#1	.2633	102.4	3.123	18270.
#2	1.069	101.5	2.925	18260.
#3	-.1928	102.0	.5905	18450.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2180.8</b>	<b>25524.</b>	<b>2595.6</b>
Stddev	5.1	157.	16.6
%RSD	.23285	.61326	.64125
#1	2185.8	25701.	2581.5
#2	2180.7	25468.	2591.4
#3	2175.7	25403.	2614.0

Sample Name: 460-43444-h-3-a Acquired: 8/16/2012 20:10:26 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>61.65</b>	<b>2.967</b>	<b>.2545</b>	<b>16.29</b>	<b>-.0298</b>	<b>56130.</b>
Stddev	20.83	2.576	.7132	.18	.1343	257.
%RSD	33.79	86.84	280.2	1.115	451.2	.4583
#1	78.23	.5114	.0758	16.50	.0919	55900.
#2	38.27	5.649	-.3523	16.20	-.1738	56410.
#3	68.45	2.740	1.040	16.17	-.0073	56100.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.275</b>	<b>25.20</b>	<b>10.98</b>	<b>-2.016</b>	<b>10630.</b>	<b>1210.</b>
Stddev	.080	.20	.33	2.431	10.	45.
%RSD	1.274	.8048	2.996	120.6	.0905	3.701
#1	6.241	24.97	10.76	-.4506	10640.	1257.
#2	6.367	25.30	10.81	-4.817	10640.	1203.
#3	6.219	25.34	11.36	-.7798	10620.	1169.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>24960.</b>	<b>5076.</b>	<b>10770.</b>	<b>40.43</b>	<b>.4436</b>	<b>2.945</b>
Stddev	74.	10.	68.	.34	.2801	2.926
%RSD	.2977	.1896	.6352	.8370	63.14	99.36
#1	25010.	5068.	10740.	40.34	.6734	3.128
#2	24980.	5087.	10850.	40.81	.5259	-.0686
#3	24870.	5073.	10730.	40.15	.1316	5.775

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43444-h-3-a Acquired: 8/16/2012 20:10:26 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.694</b>	<b>-5.669</b>	<b>5.721</b>	<b>10.70</b>	<b>55.32</b>	<b>1.191</b>
Stddev	2.322	3.888	.438	.11	.14	.527
%RSD	30.17	68.59	7.652	1.013	.2565	44.30
#1	7.736	-7.853	6.209	10.58	55.16	.5952
#2	5.351	-7.973	5.363	10.71	55.43	1.377
#3	9.994	-1.180	5.590	10.80	55.37	1.600

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.571</b>	<b>177.3</b>	<b>3.405</b>	<b>F 21570.</b>
Stddev	.507	.8	1.862	171.
%RSD	32.27	.4401	54.67	.7920
#1	1.716	176.8	5.549	21750.
#2	1.007	178.2	2.462	21540.
#3	1.989	176.9	2.203	21410.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2180.1</b>	<b>25475.</b>	<b>2592.4</b>
Stddev	2.4	141.	19.8
%RSD	.10919	.55383	.76440
#1	2178.3	25569.	2612.9
#2	2179.2	25543.	2573.3
#3	2182.8	25313.	2591.1

Sample Name: 460-43457-g-1-a Acquired: 8/16/2012 20:14:08 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.953</b>	<b>8.013</b>	<b>-.3211</b>	<b>56.15</b>	<b>-.0737</b>	<b>18950.</b>
Stddev	5.774	3.367	.1732	.16	.1556	77.
%RSD	116.6	42.01	53.94	.2878	211.0	.4042
#1	-1.365	4.847	-.1370	56.33	.0348	19040.
#2	6.267	7.643	-.4809	56.07	-.0041	18900.
#3	9.956	11.55	-.3454	56.04	-.2520	18910.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0416</b>	<b>.4275</b>	<b>1.531</b>	<b>-8.220</b>	<b>123.1</b>	<b>34390.</b>
Stddev	.0898	.1441	.509	2.939	6.2	170.
%RSD	215.7	33.70	33.23	35.76	5.038	.4950
#1	.1436	.5935	2.065	-9.891	129.5	34580.
#2	-.0256	.3342	1.052	-4.826	117.1	34360.
#3	.0069	.3549	1.476	-9.942	122.6	34240.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9911.</b>	<b>8.425</b>	<b>184700.</b>	<b>3.895</b>	<b>-1.225</b>	<b>1.626</b>
Stddev	24.	.372	1589.	1.203	1.121	2.499
%RSD	.2429	4.412	.8603	30.89	91.51	153.7
#1	9891.	8.845	186500.	4.469	-1.154	3.465
#2	9938.	8.293	184100.	2.512	-.1410	-1.220
#3	9905.	8.138	183500.	4.704	-2.380	2.632

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43457-g-1-a Acquired: 8/16/2012 20:14:08 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8334	.0014	1.492	2.422	F 3436.	11.25
Stddev	.7060	.6842	.140	.107	3.	.21
%RSD	84.72	49050.	9.402	4.406	.0743	1.830
#1	.2819	-.3697	1.643	2.538	3433.	11.31
#2	.5890	-.4171	1.466	2.400	3437.	11.41
#3	1.629	.7910	1.366	2.328	3437.	11.02

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					2000.	
Low Limit					-50.00	

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3351	75.78	1.966	2441.
Stddev	.4075	.22	2.697	27.
%RSD	121.6	.2943	137.2	1.110
#1	.6297	75.94	3.804	2462.
#2	-.1300	75.88	-1.130	2411.
#3	.5055	75.53	3.224	2452.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2132.7	24466.	2563.7
Stddev	3.3	126.	4.6
%RSD	.15277	.51700	.17763
#1	2133.1	24607.	2559.8
#2	2135.7	24428.	2562.5
#3	2129.3	24363.	2568.7

Sample Name: 460-43483-d-2-a Acquired: 8/16/2012 20:17:48 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>67.89</b>	<b>4.715</b>	<b>-.6760</b>	<b>398.1</b>	<b>-.0967</b>	<b>104000.</b>
Stddev	43.30	2.788	.6605	1.3	.0982	874.
%RSD	63.78	59.11	97.70	.3178	101.6	.8408
#1	111.2	6.548	-.1468	398.9	-.1988	104900.
#2	67.79	6.091	-1.416	398.7	-.0883	103800.
#3	24.64	1.507	-.4650	396.6	-.0029	103200.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0811</b>	<b>2.526</b>	<b>2.026</b>	<b>-3.804</b>	<b>-27.49</b>	<b>67150.</b>
Stddev	.0557	.441	.524	2.348	4.74	197.
%RSD	68.72	17.46	25.88	61.73	17.25	.2926
#1	.0528	2.874	2.287	-2.480	-28.21	66940.
#2	.1452	2.030	1.422	-2.416	-31.84	67180.
#3	.0451	2.675	2.368	-6.515	-22.43	67320.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>F 258200.</b>	<b>41.15</b>	<b>F 1453000.</b>	<b>36.50</b>	<b>-3.071</b>	<b>-.7211</b>
Stddev	846.	.25	46160.	.15	2.583	1.683
%RSD	.3275	.5962	3.176	.4170	84.10	233.4
#1	259000.	41.30	1503000.	36.36	-1.907	1.222
#2	258400.	41.29	1444000.	36.66	-6.031	-1.708
#3	257300.	40.87	1412000.	36.48	-1.276	-1.677

Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	250000.		250000.			
Low Limit	-2000.		-5000.			

Sample Name: 460-43483-d-2-a Acquired: 8/16/2012 20:17:48 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	TI1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.446</b>	<b>1.498</b>	<b>1.903</b>	<b>4.071</b>	<b>1482.</b>	<b>1.920</b>
Stddev	4.290	3.893	.700	.186	6.	.305
%RSD	124.5	260.0	36.80	4.566	.3798	15.92
#1	8.366	-2.834	2.478	3.876	1485.	1.651
#2	1.490	4.706	2.108	4.091	1485.	2.252
#3	.4832	2.620	1.123	4.247	1475.	1.856

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.8000</b>	<b>1836.</b>	<b>6.885</b>	<b>6679.</b>
Stddev	.7044	10.	.459	28.
%RSD	88.06	.5630	6.664	.4162
#1	-.2189	1848.	6.483	6711.
#2	-1.583	1834.	6.787	6663.
#3	-.5975	1828.	7.385	6663.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>1923.1</b>	<b>21243.</b>	<b>2489.6</b>
Stddev	8.1	112.	15.9
%RSD	.42221	.52847	.63775
#1	1913.8	21117.	2474.4
#2	1928.4	21279.	2488.3
#3	1927.2	21332.	2506.1

Sample Name: 460-43490-b-1-a Acquired: 8/16/2012 20:21:37 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>377.1</b>	<b>7.231</b>	<b>.5973</b>	<b>184.2</b>	<b>-.1977</b>	<b>69390.</b>
Stddev	12.2	.821	.7074	.4	.1365	39.
%RSD	3.240	11.36	118.4	.1904	69.07	.0568
#1	363.9	7.646	-.1964	184.6	-.2985	69380.
#2	379.4	6.285	.8269	184.3	-.0423	69430.
#3	388.1	7.761	1.161	183.9	-.2522	69350.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3317</b>	<b>7.041</b>	<b>5.831</b>	<b>26.97</b>	<b>3861.</b>	<b>5679.</b>
Stddev	.0693	.434	.436	.95	17.	144.
%RSD	20.90	6.156	7.476	3.540	.4276	2.527
#1	.2535	7.008	6.090	26.81	3849.	5810.
#2	.3857	6.625	6.074	26.10	3880.	5701.
#3	.3559	7.490	5.327	27.99	3854.	5526.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13650.</b>	<b>289.4</b>	<b>42480.</b>	<b>9.612</b>	<b>5.469</b>	<b>5.942</b>
Stddev	39.	.3	130.	.363	.766	1.800
%RSD	.2863	.0893	.3067	3.779	14.00	30.30
#1	13610.	289.2	42620.	9.429	4.603	4.687
#2	13680.	289.7	42370.	10.03	5.749	5.134
#3	13670.	289.3	42460.	9.378	6.056	8.005

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43490-b-1-a Acquired: 8/16/2012 20:21:37 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.673</b>	<b>-8191</b>	<b>6.331</b>	<b>492.0</b>	<b>76.51</b>	<b>2.529</b>
Stddev	2.336	.4818	.537	.7	1.25	.237
%RSD	139.6	58.83	8.488	.1333	1.639	9.358
#1	.3153	-.3057	6.673	491.9	77.50	2.282
#2	4.371	-.8901	6.609	492.7	76.93	2.754
#3	.3336	-1.261	5.712	491.4	75.10	2.550

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.861</b>	<b>905.2</b>	<b>13.16</b>	<b>5667.</b>
Stddev	1.582	4.8	2.03	26.
%RSD	85.02	.5337	15.46	.4556
#1	1.302	900.1	15.04	5657.
#2	.6337	909.7	11.00	5696.
#3	3.646	906.0	13.44	5647.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2211.5</b>	<b>25650.</b>	<b>2658.4</b>
Stddev	5.8	171.	6.4
%RSD	.26154	.66476	.24242
#1	2214.5	25837.	2665.3
#2	2215.1	25610.	2657.3
#3	2204.8	25503.	2652.6

Sample Name: 460-43408-e-41-f du@ Acquired: 8/16/2012 20:25:16 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47380.</b>	<b>22.83</b>	<b>-.6218</b>	<b>304.8</b>	<b>1.738</b>	<b>3960.</b>
Stddev	77.	2.53	1.567	.7	.101	12.
%RSD	.1622	11.07	252.0	.2176	5.790	.2951
#1	47390.	24.52	-1.017	305.5	1.656	3952.
#2	47460.	19.92	-1.953	304.8	1.851	3974.
#3	47310.	24.04	1.105	304.2	1.708	3955.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.619</b>	<b>22.32</b>	<b>78.30</b>	<b>56.06</b>	<b>68080.</b>	<b>2175.</b>
Stddev	.102	.07	.58	6.48	127.	5.
%RSD	2.812	.3167	.7367	11.56	.1870	.2323
#1	3.728	22.30	78.49	55.20	67970.	2174.
#2	3.602	22.40	78.77	62.93	68050.	2171.
#3	3.527	22.27	77.66	50.05	68220.	2181.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6608.</b>	<b>776.3</b>	<b>212.3</b>	<b>81.49</b>	<b>649.1</b>	<b>11.89</b>
Stddev	12.	1.4	41.0	.61	1.7	2.53
%RSD	.1776	.1856	19.30	.7458	.2557	21.24
#1	6607.	775.7	258.4	82.07	649.4	13.69
#2	6596.	775.2	198.2	81.55	650.6	12.99
#3	6620.	777.9	180.2	80.85	647.3	9.004

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-41-f du@ Acquired: 8/16/2012 20:25:16 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.316</b>	<b>-3.102</b>	<b>112.2</b>	<b>760.2</b>	<b>17.11</b>	<b>1.946</b>
Stddev	1.408	1.832	.5	2.5	.88	.318
%RSD	60.80	59.06	.4891	.3229	5.124	16.34
#1	3.465	-3.938	112.1	762.6	17.59	2.312
#2	2.739	-4.368	111.6	760.2	17.65	1.742
#3	.7450	-1.001	112.7	757.7	16.10	1.783

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>37.45</b>	<b>38.63</b>	<b>980.2</b>	<b>1189.</b>
Stddev	.76	.14	3.0	7.
%RSD	2.017	.3559	.3071	.5915
#1	38.30	38.50	981.3	1192.
#2	37.18	38.61	982.5	1194.
#3	36.86	38.77	976.8	1181.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2241.5</b>	<b>26172.</b>	<b>2679.3</b>
Stddev	10.5	187.	9.9
%RSD	.46920	.71335	.36854
#1	2233.0	25974.	2669.6
#2	2253.2	26345.	2679.1
#3	2238.2	26198.	2689.3

Sample Name: 460-43408-e-41-e@4 Acquired: 8/16/2012 20:28:52 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>45900.</b>	<b>20.64</b>	<b>-.9161</b>	<b>384.5</b>	<b>2.594</b>	<b>3965.</b>
Stddev	259.	2.07	.9177	.4	.271	20.
%RSD	.5645	10.03	100.2	.1021	10.45	.4933
#1	46190.	20.03	-.8007	384.8	2.865	3962.
#2	45780.	22.95	-.0616	384.6	2.323	3986.
#3	45720.	18.95	-1.886	384.0	2.593	3947.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.508</b>	<b>25.87</b>	<b>168.9</b>	<b>67.58</b>	<b>118700.</b>	<b>1957.</b>
Stddev	.022	.31	1.6	4.21	189.	81.
%RSD	.3934	1.185	.9470	6.226	.1596	4.144
#1	5.501	26.00	170.3	72.42	118900.	1917.
#2	5.491	25.52	169.2	64.79	118700.	2051.
#3	5.532	26.09	167.1	65.52	118500.	1905.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6230.</b>	<b>1110.</b>	<b>84.29</b>	<b>84.47</b>	<b>1158.</b>	<b>9.908</b>
Stddev	22.	.	20.82	.61	5.	1.417
%RSD	.3562	.0364	24.71	.7207	.4179	14.30
#1	6249.	1109.	106.9	84.88	1153.	11.53
#2	6236.	1109.	80.08	83.77	1162.	8.912
#3	6206.	1110.	65.89	84.77	1159.	9.282

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-41-e@4 Acquired: 8/16/2012 20:28:52 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.093</b>	<b>-4.516</b>	<b>182.2</b>	<b>1104.</b>	<b>12.50</b>	<b>2.515</b>
Stddev	5.655	3.488	1.0	1.	1.86	.185
%RSD	517.3	77.23	.5692	.0888	14.84	7.334
#1	-2.861	-8.463	183.0	1105.	14.59	2.378
#2	7.571	-1.849	182.7	1104.	11.87	2.725
#3	-1.430	-3.236	181.0	1103.	11.04	2.442

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>27.93</b>	<b>46.16</b>	<b>989.5</b>	<b>1193.</b>
Stddev	.88	.08	6.9	11.
%RSD	3.147	.1815	.6970	.9434
#1	27.86	46.15	997.4	1197.
#2	27.09	46.25	984.9	1180.
#3	28.85	46.08	986.2	1201.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2231.3</b>	<b>26160.</b>	<b>2649.0</b>
Stddev	2.7	17.	27.6
%RSD	.11895	.06345	1.0405
#1	2234.4	26141.	2618.1
#2	2230.0	26169.	2671.0
#3	2229.6	26170.	2658.0

Sample Name: lcssrm 460-124245/2- Acquired: 8/16/2012 20:32:27 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>32010.</b>	<b>771.7</b>	<b>193.2</b>	<b>954.3</b>	<b>526.8</b>	<b>35830.</b>
Stddev	163.	7.1	1.1	2.3	1.4	192.
%RSD	.5081	.9199	.5897	.2362	.2726	.5357
#1	31830.	779.4	192.0	954.6	525.3	35610.
#2	32140.	765.5	193.2	956.3	528.1	35900.
#3	32060.	770.1	194.3	951.8	527.0	35970.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>520.3</b>	<b>675.0</b>	<b>588.3</b>	<b>583.0</b>	<b>59450.</b>	<b>13010.</b>
Stddev	.9	1.7	2.0	9.2	121.	154.
%RSD	.1662	.2456	.3397	1.572	.2034	1.183
#1	519.9	675.1	586.6	573.3	59410.	12880.
#2	521.3	676.6	590.5	584.3	59590.	12960.
#3	519.7	673.3	587.8	591.5	59360.	13180.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11760.</b>	<b>1851.</b>	<b>1619.</b>	<b>364.8</b>	<b>387.8</b>	<b>1012.</b>
Stddev	17.	5.	16.	1.2	.5	5.
%RSD	.1466	.2530	1.012	.3303	.1257	.4648
#1	11740.	1845.	1605.	364.4	387.3	1007.
#2	11760.	1853.	1615.	366.2	388.1	1015.
#3	11770.	1854.	1637.	363.9	388.2	1015.

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: lcssrm 460-124245/2- Acquired: 8/16/2012 20:32:27 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>593.1</b>	<b>1060.</b>	<b>413.8</b>	<b>1345.</b>	<b>394.5</b>	<b>346.3</b>
Stddev	2.7	9.	.9	3.	1.1	.8
%RSD	.4557	.8264	.2087	.2113	.2859	.2430
#1	596.2	1061.	413.8	1346.	393.2	346.2
#2	591.1	1069.	412.9	1346.	395.3	347.1
#3	592.1	1052.	414.6	1341.	394.9	345.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>689.0</b>	<b>650.8</b>	<b>719.8</b>	<b>F 1341.</b>
Stddev	5.3	2.9	4.2	19.
%RSD	.7661	.4446	.5838	1.439
#1	686.4	647.5	715.8	1363.
#2	695.1	652.8	719.4	1337.
#3	685.6	652.2	724.1	1325.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2253.2</b>	<b>26362.</b>	<b>2690.8</b>
Stddev	2.5	74.	21.7
%RSD	.11131	.28168	.80651
#1	2255.4	26447.	2714.5
#2	2250.5	26315.	2671.8
#3	2253.6	26324.	2686.0

Sample Name: CCV Acquired: 8/16/2012 20:35:57 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124400.	2461.	1234.	9895.	990.9	124900.
Stddev	827.	7.	3.	16.	5.4	1441.
%RSD	.6648	.2997	.2451	.1625	.5442	1.153

#1	125300.	2453.	1238.	9880.	996.9	126300.
#2	124300.	2467.	1234.	9912.	989.2	125100.
#3	123700.	2462.	1231.	9895.	986.6	123400.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1244.	2484.	5023.	12410.	100600.	49300.
Stddev	2.	5.	19.	134.	472.	552.
%RSD	.1901	.2175	.3860	1.080	.4690	1.120

#1	1241.	2478.	5045.	12530.	101100.	49880.
#2	1245.	2489.	5015.	12430.	100500.	49220.
#3	1245.	2485.	5009.	12260.	100100.	48780.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124900.	5065.	123400.	2498.	7555.	986.2
Stddev	343.	38.	1268.	3.	19.	5.0
%RSD	.2744	.7440	1.027	.1223	.2492	.5099

#1	125300.	5104.	124700.	2495.	7533.	980.4
#2	124800.	5061.	123500.	2500.	7564.	989.5
#3	124600.	5029.	122100.	2500.	7567.	988.7

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/16/2012 20:35:57 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2449.	2508.	2477.	2479.	974.2	2454.
Stddev	7.	3.	14.	4.	2.1	9.
%RSD	.2994	.1198	.5853	.1605	.2113	.3484

#1	2448.	2504.	2493.	2475.	972.6	2444.
#2	2443.	2510.	2475.	2480.	976.6	2459.
#3	2457.	2508.	2464.	2483.	973.5	2459.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	989.4	4996.	9959.	9797.
Stddev	2.0	49.	67.	53.
%RSD	.2072	.9782	.6754	.5437

#1	990.9	5039.	10020.	9741.
#2	987.1	5007.	9971.	9847.
#3	990.3	4943.	9887.	9804.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2052.7	23776.	2542.0
Stddev	.8	106.	27.9
%RSD	.03967	.44639	1.0988

#1	2053.6	23654.	2510.1
#2	2052.5	23824.	2553.4
#3	2052.1	23849.	2562.3

Sample Name: CCB Acquired: 8/16/2012 20:39:17 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.744</b>	<b>.9300</b>	<b>-.4676</b>	<b>.7117</b>	<b>.0147</b>	<b>.4338</b>
Stddev	13.27	1.392	.8780	.4716	.1158	17.91
%RSD	151.7	149.7	187.8	66.26	789.2	4130.

#1	23.96	1.358	-1.356	1.256	-.0210	1.823
#2	-.4221	2.058	.3993	.4286	-.0790	17.61
#3	2.697	-.6256	-.4457	.4504	.1441	-.18.14

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0721</b>	<b>-.2185</b>	<b>.9825</b>	<b>-.4.662</b>	<b>15.35</b>	<b>27.85</b>
Stddev	.0684	.2065	.8291	4.311	14.08	63.81
%RSD	94.82	94.52	84.39	92.49	91.70	229.2

#1	.1074	.0131	1.461	.0188	28.54	80.89
#2	.1156	-.3835	1.461	-5.532	.5256	-42.97
#3	-.0067	-.2850	.0251	-8.471	16.99	45.62

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10.58</b>	<b>.4429</b>	<b>33.19</b>	<b>-.1327</b>	<b>-.3671</b>	<b>.6244</b>
Stddev	7.77	.4521	14.96	.4653	1.670	.5094
%RSD	73.47	102.1	45.07	350.6	454.8	81.59

#1	19.28	.9646	46.64	-.1232	1.546	.1821
#2	8.129	.1988	35.84	.3277	-1.119	1.181
#3	4.326	.1654	17.08	-.6027	-1.528	.5097

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 20:39:17 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0855</b>	<b>-.0954</b>	<b>.1261</b>	<b>.2503</b>	<b>4.928</b>	<b>4.031</b>
Stddev	1.384	2.207	.3187	.0484	1.040	1.929
%RSD	1618.	2313.	252.7	19.32	21.11	47.86

#1	.8290	-2.347	-.2368	.3001	6.122	6.133
#2	-1.678	2.065	.2550	.2473	4.216	3.617
#3	.5924	-.0039	.3602	.2035	4.446	2.342

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.4383</b>	<b>.5185</b>	<b>2.717</b>	<b>-18.99</b>
Stddev	1.490	.6207	1.532	7.62
%RSD	339.9	119.7	56.39	40.10

#1	.1520	1.223	4.462	-26.84
#2	-.8874	.2827	2.102	-11.63
#3	2.050	.0502	1.588	-18.51

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2193.3</b>	<b>25887.</b>	<b>2575.8</b>
Stddev	3.7	130.	23.0
%RSD	.17008	.50410	.89286

#1	2197.3	26029.	2589.7
#2	2192.4	25857.	2588.4
#3	2190.0	25773.	2549.2

Sample Name: mb 460-124245/1-a@2 Acquired: 8/16/2012 20:43:05 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.539</b>	<b>1.014</b>	<b>-.3415</b>	<b>.0746</b>	<b>.0590</b>	<b>45.87</b>
Stddev	11.85	1.593	.3889	.0830	.1661	20.29
%RSD	261.0	157.1	113.9	111.1	281.5	44.24
#1	11.88	2.712	.0759	-.0199	.1200	64.40
#2	-9.130	.7800	-.4068	.1354	.1860	24.19
#3	10.87	-.4486	-.6935	.1084	-.1289	49.01

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0021</b>	<b>-.3496</b>	<b>.9521</b>	<b>-.6.962</b>	<b>4.985</b>	<b>3.806</b>
Stddev	.1756	.3051	.6015	5.401	12.82	81.34
%RSD	8270.	87.29	63.17	77.57	257.1	2137.
#1	-.1975	-.5652	.3966	-6.272	18.77	-42.60
#2	.0711	-.0004	.8688	-1.940	-6.566	-43.71
#3	.1329	-.4831	1.591	-12.67	2.749	97.73

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.849</b>	<b>-.0497</b>	<b>35.75</b>	<b>-.5012</b>	<b>-.7297</b>	<b>2.017</b>
Stddev	1.692	.0411	19.18	.2984	.6109	3.196
%RSD	91.49	82.75	53.63	59.54	83.72	158.5
#1	3.772	-.0088	15.13	-.4205	-.0589	-1.671
#2	.5867	-.0493	39.09	-.8317	-1.254	3.748
#3	1.190	-.0910	53.04	-.2515	-.8761	3.974

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-124245/1-a@2 Acquired: 8/16/2012 20:43:05 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F <b>7.157</b>	<b>-9455</b>	<b>.2051</b>	<b>.3806</b>	<b>7.357</b>	<b>1.136</b>
Stddev	2.470	.7222	.3191	.0487	1.034	.264
%RSD	34.50	76.39	155.6	12.80	14.06	23.22
#1	6.357	-.6368	-.1008	.3245	6.431	1.410
#2	9.928	-1.771	.1802	.4057	7.167	1.116
#3	5.188	-.4289	.5360	.4118	8.473	.8832

Check ?	Chk Fail	Chk Pass				
High Limit	5.000					
Low Limit	-5.000					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.487</b>	<b>.1407</b>	<b>-.1573</b>	<b>23.43</b>
Stddev	.883	.1509	2.833	14.93
%RSD	59.36	107.2	1801.	63.72
#1	1.583	.2734	1.321	40.22
#2	2.317	.1721	-3.424	11.63
#3	.5599	-.0234	1.630	18.44

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2126.4</b>	<b>25362.</b>	<b>2519.0</b>
Stddev	3.4	152.	10.8
%RSD	.16204	.60021	.43040
#1	2122.5	25192.	2531.4
#2	2129.1	25407.	2511.2
#3	2127.6	25486.	2514.5

Sample Name: sd 460-43408-e-41-e@ Acquired: 8/16/2012 20:46:49 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9198.</b>	<b>6.489</b>	<b>-0.328</b>	<b>76.07</b>	<b>.3321</b>	<b>798.1</b>
Stddev	75.	.880	.9462	.32	.2749	8.1
%RSD	.8200	13.56	2888.	.4185	82.79	1.012
#1	9285.	6.872	.1129	75.81	.6485	807.2
#2	9150.	5.482	-1.043	76.43	.1516	795.4
#3	9159.	7.113	.8321	75.98	.1961	791.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.118</b>	<b>5.164</b>	<b>33.30</b>	<b>9.199</b>	<b>23860.</b>	<b>382.0</b>
Stddev	.138	.195	.94	3.368	123.	28.8
%RSD	12.31	3.773	2.832	36.61	.5131	7.553
#1	1.097	5.389	34.27	9.625	23990.	407.1
#2	1.264	5.054	32.39	5.638	23860.	388.3
#3	.9917	5.049	33.24	12.33	23740.	350.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1261.</b>	<b>223.1</b>	<b>14.30</b>	<b>16.78</b>	<b>233.3</b>	<b>4.423</b>
Stddev	4.	1.1	20.59	.29	1.1	2.177
%RSD	.3440	.5133	144.0	1.711	.4726	49.21
#1	1260.	224.4	35.98	16.64	233.4	1.918
#2	1257.	222.7	11.92	16.59	232.2	5.850
#3	1265.	222.2	-5.002	17.11	234.4	5.501

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43408-e-41-e@ Acquired: 8/16/2012 20:46:49 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.153</b>	<b>-1.431</b>	<b>35.96</b>	<b>220.0</b>	<b>4.411</b>	<b>.8452</b>
Stddev	6.609	.961	.43	.5	.540	.2074
%RSD	107.4	67.16	1.201	.2385	12.25	24.54
#1	1.699	-2.509	36.44	220.5	4.841	1.084
#2	3.013	-.6654	35.60	220.2	3.804	.7093
#3	13.75	-1.118	35.83	219.4	4.589	.7424

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>7.944</b>	<b>9.223</b>	<b>193.4</b>	<b>224.2</b>
Stddev	1.209	.163	1.1	4.2
%RSD	15.21	1.764	.5794	1.891
#1	7.016	9.068	192.4	219.6
#2	9.311	9.392	194.6	225.2
#3	7.506	9.209	193.1	227.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2221.6</b>	<b>26060.</b>	<b>2606.5</b>
Stddev	4.4	80.	9.0
%RSD	.19743	.30618	.34338
#1	2226.5	26083.	2598.9
#2	2220.3	25971.	2604.2
#3	2217.9	26125.	2616.3

Sample Name: 460-43408-e-41-g ms@ Acquired: 8/16/2012 20:50:29 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>53070.</b>	<b>893.0</b>	<b>21.27</b>	<b>1254.</b>	<b>24.86</b>	<b>13510.</b>
Stddev	388.	2.9	.88	3.	.23	81.
%RSD	.7320	.3303	4.140	.2025	.9420	.5973
#1	53510.	893.3	21.65	1255.	24.98	13590.
#2	52800.	895.8	21.89	1257.	24.59	13510.
#3	52880.	889.9	20.26	1252.	25.02	13430.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>26.70</b>	<b>252.0</b>	<b>174.4</b>	<b>184.2</b>	<b>65680.</b>	<b>11340.</b>
Stddev	.04	.2	1.1	4.0	92.	102.
%RSD	.1576	.0930	.6215	2.186	.1402	.8980
#1	26.74	252.2	173.4	180.7	65620.	11450.
#2	26.70	251.8	175.6	188.6	65780.	11250.
#3	26.66	252.2	174.1	183.2	65630.	11320.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15610.</b>	<b>907.6</b>	<b>9345.</b>	<b>316.5</b>	<b>859.8</b>	<b>160.5</b>
Stddev	19.	1.2	35.	.5	1.2	1.0
%RSD	.1240	.1344	.3793	.1509	.1386	.6166
#1	15630.	907.4	9385.	316.1	859.3	160.0
#2	15620.	909.0	9318.	317.0	858.9	161.6
#3	15590.	906.6	9331.	316.4	861.1	159.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-41-g ms@ Acquired: 8/16/2012 20:50:29 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>858.6</b>	<b>959.3</b>	<b>332.5</b>	<b>1032.</b>	<b>222.5</b>	<b>223.3</b>
Stddev	1.5	3.1	1.8	2.	1.1	.5
%RSD	.1739	.3193	.5323	.1630	.5161	.2317
#1	857.2	957.2	332.0	1030.	221.5	223.6
#2	858.5	962.8	334.4	1033.	223.7	223.6
#3	860.2	957.9	330.9	1033.	222.4	222.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>252.8</b>	<b>267.2</b>	<b>1309.</b>	<b>2081.</b>
Stddev	1.4	1.9	11.	4.
%RSD	.5640	.7091	.8251	.1856
#1	251.9	269.4	1322.	2079.
#2	254.4	266.3	1304.	2085.
#3	252.0	265.9	1302.	2078.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2225.9</b>	<b>25956.</b>	<b>2657.5</b>
Stddev	4.5	130.	23.2
%RSD	.20039	.50106	.87327
#1	2220.8	25838.	2630.7
#2	2227.6	25935.	2670.7
#3	2229.1	26095.	2671.1

Sample Name: pds 460-43408-e-41-e Acquired: 8/16/2012 20:53:58 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47970.</b>	<b>1855.</b>	<b>45.14</b>	<b>2280.</b>	<b>49.85</b>	<b>23230.</b>
Stddev	57.	6.	.84	4.	.06	79.
%RSD	.1180	.3319	1.865	.1635	.1278	.3406
#1	48010.	1860.	44.86	2279.	49.81	23270.
#2	48000.	1856.	46.09	2284.	49.83	23140.
#3	47910.	1848.	44.47	2277.	49.93	23280.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>52.62</b>	<b>499.1</b>	<b>362.3</b>	<b>304.4</b>	<b>120000.</b>	<b>20450.</b>
Stddev	.09	.9	.6	3.3	444.	53.
%RSD	.1630	.1797	.1612	1.085	.3702	.2576
#1	52.54	499.0	362.9	301.4	120400.	20470.
#2	52.61	500.0	362.1	304.0	120000.	20500.
#3	52.71	498.2	361.8	307.9	119500.	20400.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>24710.</b>	<b>1597.</b>	<b>18890.</b>	<b>563.3</b>	<b>1636.</b>	<b>452.9</b>
Stddev	104.	4.	80.	.6	2.	4.5
%RSD	.4216	.2374	.4244	.1145	.1214	.9919
#1	24810.	1601.	18810.	563.9	1638.	448.6
#2	24710.	1597.	18880.	562.6	1635.	457.6
#3	24600.	1593.	18970.	563.3	1635.	452.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43408-e-41-e Acquired: 8/16/2012 20:53:58 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1778.	1939.	649.0	1579.	456.8	467.5
Stddev	8.	4.	3.3	4.	2.4	.5
%RSD	.4524	.2169	.5132	.2308	.5272	.0984
#1	1785.	1942.	651.4	1579.	456.2	468.0
#2	1778.	1941.	650.4	1582.	459.5	467.1
#3	1769.	1934.	645.2	1575.	454.8	467.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	505.4	506.5	1478.	1242.
Stddev	3.1	1.7	4.	7.
%RSD	.6233	.3341	.2892	.5329
#1	507.2	507.8	1483.	1235.
#2	507.2	504.6	1475.	1246.
#3	501.7	507.0	1476.	1247.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2203.1	25691.	2640.6
Stddev	.5	114.	8.6
%RSD	.02117	.44502	.32571
#1	2203.0	25567.	2648.0
#2	2203.6	25714.	2642.8
#3	2202.6	25792.	2631.2

Sample Name: 460-43408-e-43-g@4 Acquired: 8/16/2012 20:57:25 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>45230.</b>	<b>18.99</b>	<b>-.4766</b>	<b>601.1</b>	<b>1.765</b>	<b>8364.</b>
Stddev	60.	.64	.6540	3.2	.100	12.
%RSD	.1316	3.384	137.2	.5278	5.678	.1402
#1	45300.	18.52	-1.020	599.6	1.653	8366.
#2	45200.	18.73	-.6590	604.8	1.798	8374.
#3	45190.	19.72	.2492	599.0	1.845	8351.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10.68</b>	<b>24.78</b>	<b>105.4</b>	<b>253.7</b>	<b>83960.</b>	<b>2014.</b>
Stddev	.27	.19	1.3	1.3	283.	16.
%RSD	2.482	.7625	1.238	.4956	.3369	.7935
#1	10.44	24.57	106.3	254.6	84240.	2031.
#2	10.96	24.86	103.9	252.2	83960.	1999.
#3	10.63	24.92	106.1	254.2	83680.	2011.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6515.</b>	<b>953.9</b>	<b>94.52</b>	<b>182.1</b>	<b>2068.</b>	<b>38.70</b>
Stddev	11.	5.4	9.19	.5	7.	5.23
%RSD	.1720	.5623	9.717	.2521	.3499	13.53
#1	6528.	959.9	102.3	181.7	2063.	44.53
#2	6509.	952.4	84.40	182.6	2076.	37.16
#3	6509.	949.5	96.86	181.9	2064.	34.40

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-43-g@4 Acquired: 8/16/2012 20:57:25 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.454</b>	<b>-2.273</b>	<b>117.6</b>	<b>1843.</b>	<b>14.44</b>	<b>2.464</b>
Stddev	3.856	2.269	.7	5.	1.71	.469
%RSD	70.70	99.85	.5957	.2596	11.81	19.02
#1	8.959	-1.094	118.3	1840.	16.22	2.478
#2	6.081	-.8347	117.4	1849.	14.28	1.988
#3	1.323	-4.888	117.0	1841.	12.82	2.925

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>98.63</b>	<b>61.04</b>	<b>944.2</b>	<b>1508.</b>
Stddev	1.92	.24	3.0	29.
%RSD	1.942	.3974	.3203	1.899
#1	96.85	61.13	947.7	1508.
#2	100.7	60.77	942.0	1479.
#3	98.39	61.24	943.0	1536.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2242.8</b>	<b>26223.</b>	<b>2667.6</b>
Stddev	6.9	67.	9.2
%RSD	.30746	.25560	.34648
#1	2250.7	26224.	2658.8
#2	2239.7	26290.	2677.2
#3	2238.1	26156.	2666.7

Sample Name:	460-43408-e-44-e@4	Acquired:	8/16/2012 21:01:00	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47150.</b>	<b>19.37</b>	<b>-.0313</b>	<b>632.5</b>	<b>1.659</b>	<b>7311.</b>
Stddev	177.	.89	.0371	2.9	.188	55.
%RSD	.3760	4.601	118.5	.4522	11.34	.7575
#1	46970.	18.43	-.0283	635.7	1.491	7255.
#2	47150.	20.20	-.0698	630.1	1.625	7312.
#3	47330.	19.47	.0042	631.9	1.863	7366.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.951</b>	<b>24.20</b>	<b>90.20</b>	<b>141.5</b>	<b>76810.</b>	<b>2236.</b>
Stddev	.090	.40	.93	7.2	164.	60.
%RSD	.9098	1.642	1.034	5.092	.2132	2.677
#1	9.955	23.77	89.13	133.2	76700.	2178.
#2	9.859	24.55	90.63	145.2	77000.	2297.
#3	10.04	24.27	90.84	146.1	76740.	2234.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6545.</b>	<b>836.0</b>	<b>84.86</b>	<b>185.3</b>	<b>1699.</b>	<b>30.96</b>
Stddev	17.	1.8	9.93	1.1	3.	1.24
%RSD	.2649	.2125	11.70	.5843	.1948	4.013
#1	6540.	834.3	83.32	186.4	1702.	32.10
#2	6564.	835.9	75.79	185.3	1697.	31.14
#3	6531.	837.8	95.47	184.3	1696.	29.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43408-e-44-e@4 Acquired: 8/16/2012 21:01:00 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.117</b>	<b>-3.011</b>	<b>113.9</b>	<b>1940.</b>	<b>13.63</b>	<b>2.435</b>
Stddev	1.094	2.214	.2	7.	1.75	.051
%RSD	98.02	73.52	.1757	.3567	12.83	2.086

#1	-2.324	-5.560	113.7	1946.	12.10	2.451
#2	-.1898	-1.901	114.0	1943.	15.53	2.379
#3	-.8357	-1.571	114.0	1933.	13.25	2.477

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>72.43</b>	<b>54.80</b>	<b>966.4</b>	<b>1208.</b>
Stddev	.95	.50	5.7	26.
%RSD	1.318	.9108	.5945	2.179

#1	73.21	54.28	959.9	1230.
#2	72.70	54.83	968.1	1215.
#3	71.37	55.28	971.0	1179.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2250.2</b>	<b>26420.</b>	<b>2661.3</b>
Stddev	2.6	53.	16.7
%RSD	.11627	.19918	.62809
#1	2249.1	26479.	2669.1
#2	2248.3	26377.	2672.8
#3	2253.2	26404.	2642.2

Sample Name: 460-43408-e-45-e@4 Acquired: 8/16/2012 21:04:34 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>43260.</b>	<b>48.75</b>	<b>2.566</b>	<b>3924.</b>	<b>2.050</b>	<b>30680.</b>
Stddev	144.	.61	.289	12.	.023	207.
%RSD	.3322	1.246	11.26	.3149	1.117	.6734
#1	43200.	48.74	2.899	3920.	2.072	30730.
#2	43420.	49.36	2.394	3937.	2.027	30860.
#3	43150.	48.14	2.404	3913.	2.051	30450.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>41.17</b>	<b>26.71</b>	<b>313.1</b>	<b>474.9</b>	<b>135700.</b>	<b>2152.</b>
Stddev	.12	.16	1.1	3.6	482.	65.
%RSD	.2913	.6086	.3591	.7614	.3554	3.024
#1	41.09	26.57	312.1	479.1	135300.	2227.
#2	41.31	26.68	314.3	473.0	136200.	2115.
#3	41.11	26.89	312.9	472.6	135500.	2113.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7599.</b>	<b>1130.</b>	<b>337.5</b>	<b>478.3</b>	<b>11490.</b>	<b>195.5</b>
Stddev	34.	3.	10.7	1.1	25.	3.2
%RSD	.4504	.2850	3.166	.2320	.2136	1.643
#1	7574.	1126.	348.5	478.4	11470.	196.9
#2	7638.	1133.	336.9	479.3	11520.	197.7
#3	7585.	1129.	327.1	477.1	11480.	191.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-45-e@4 Acquired: 8/16/2012 21:04:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.546</b>	<b>-2.575</b>	<b>115.5</b>	<b>F 13070.</b>	<b>45.34</b>	<b>9.851</b>
Stddev	1.560	2.798	.6	26.	.28	.254
%RSD	43.99	108.7	.5442	.1988	.6265	2.582
#1	1.749	-.1288	114.8	13060.	45.63	9.604
#2	4.343	-1.969	116.0	13100.	45.06	10.11
#3	4.545	-5.626	115.6	13060.	45.34	9.838

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>551.1</b>	<b>182.7</b>	<b>894.6</b>	<b>1124.</b>
Stddev	.2	.7	4.1	26.
%RSD	.0406	.3822	.4605	2.303
#1	551.2	182.0	892.3	1129.
#2	551.3	183.4	899.4	1147.
#3	550.9	182.7	892.2	1096.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2233.1</b>	<b>26024.</b>	<b>2675.4</b>
Stddev	2.7	68.	7.4
%RSD	.11970	.26258	.27590
#1	2230.5	26098.	2673.9
#2	2235.9	25964.	2668.8
#3	2233.0	26009.	2683.4

Sample Name:	460-43408-e-47-e@4	Acquired:	8/16/2012 21:08:07	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12430.</b>	<b>6.976</b>	<b>-.0971</b>	<b>643.0</b>	<b>.6044</b>	<b>5081.</b>
Stddev	64.	2.963	.5402	2.2	.0995	10.
%RSD	.5123	42.47	556.2	.3419	16.47	.1996
#1	12460.	6.235	-.1862	644.4	.7042	5080.
#2	12470.	10.24	-.5873	644.1	.6037	5092.
#3	12360.	4.453	.4821	640.5	.5052	5072.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.285</b>	<b>8.664</b>	<b>43.54</b>	<b>199.3</b>	<b>29570.</b>	<b>592.4</b>
Stddev	.131	.070	.66	1.5	93.	42.5
%RSD	1.800	.8117	1.517	.7486	.3130	7.175
#1	7.158	8.682	43.54	197.8	29530.	602.0
#2	7.420	8.586	44.20	200.8	29680.	629.4
#3	7.277	8.724	42.88	199.5	29510.	546.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3406.</b>	<b>365.3</b>	<b>58.04</b>	<b>389.4</b>	<b>751.3</b>	<b>16.77</b>
Stddev	6.	.9	5.78	1.7	2.0	.97
%RSD	.1868	.2483	9.962	.4477	.2718	5.789
#1	3410.	364.6	53.50	390.9	750.8	17.83
#2	3409.	366.3	64.55	389.9	753.5	16.55
#3	3399.	364.9	56.08	387.5	749.5	15.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43408-e-47-e@4 Acquired: 8/16/2012 21:08:07 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.305</b>	<b>-1.134</b>	<b>48.66</b>	<b>1333.</b>	<b>11.35</b>	<b>1.080</b>
Stddev	1.135	.995	.63	6.	1.82	.129
%RSD	86.96	87.74	1.287	.4333	16.05	11.97
#1	1.678	-1.1328	48.62	1335.	13.35	1.228
#2	2.205	-2.123	48.05	1337.	9.786	.9869
#3	.0304	-1.147	49.30	1326.	10.91	1.026

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>40.09</b>	<b>31.62</b>	<b>401.5</b>	<b>844.5</b>
Stddev	1.09	.10	1.1	24.5
%RSD	2.724	.3172	.2810	2.898
#1	41.01	31.54	401.5	871.2
#2	40.37	31.59	402.7	823.2
#3	38.88	31.73	400.4	838.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2220.3</b>	<b>26171.</b>	<b>2621.9</b>
Stddev	1.1	48.	10.1
%RSD	.05126	.18191	.38518
#1	2220.7	26214.	2610.3
#2	2221.2	26179.	2626.2
#3	2219.0	26119.	2629.1

Sample Name: 460-43408-e-48-e@4 Acquired: 8/16/2012 21:11:43 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>44830.</b>	<b>19.18</b>	<b>-.3750</b>	<b>445.1</b>	<b>1.743</b>	<b>5619.</b>
Stddev	642.	.45	.5077	1.2	.253	65.
%RSD	1.432	2.339	135.4	.2737	14.54	1.156
#1	45580.	18.74	-.1981	445.7	1.820	5689.
#2	44480.	19.63	.0206	445.9	1.949	5562.
#3	44450.	19.17	-.9475	443.7	1.460	5605.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.309</b>	<b>21.71</b>	<b>91.73</b>	<b>117.7</b>	<b>73140.</b>	<b>2182.</b>
Stddev	.057	.33	1.06	4.3	417.	59.
%RSD	1.082	1.542	1.159	3.676	.5702	2.709
#1	5.347	21.99	92.94	116.8	73550.	2249.
#2	5.338	21.79	91.29	113.9	73150.	2156.
#3	5.243	21.34	90.95	122.4	72720.	2140.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6362.</b>	<b>724.3</b>	<b>63.20</b>	<b>165.4</b>	<b>1753.</b>	<b>38.12</b>
Stddev	32.	4.9	5.19	.6	3.	1.68
%RSD	.5004	.6816	8.216	.3339	.1687	4.406
#1	6393.	729.9	65.22	164.9	1754.	36.65
#2	6363.	722.4	57.30	166.0	1755.	37.76
#3	6329.	720.5	67.08	165.4	1749.	39.95

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-48-e@4 Acquired: 8/16/2012 21:11:43 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.169</b>	<b>-4.065</b>	<b>113.0</b>	<b>1768.</b>	<b>13.25</b>	<b>2.759</b>
Stddev	2.173	2.701	1.1	6.	.54	.225
%RSD	68.59	66.44	.9950	.3393	4.107	8.136
#1	1.105	-4.340	114.1	1769.	12.76	2.501
#2	5.437	-6.619	113.1	1773.	13.84	2.910
#3	2.965	-1.237	111.9	1761.	13.16	2.867

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>67.43</b>	<b>46.63</b>	<b>1005.</b>	<b>1128.</b>
Stddev	1.03	.66	19.	14.
%RSD	1.534	1.414	1.926	1.237
#1	68.61	47.37	1027.	1144.
#2	66.99	46.37	992.7	1118.
#3	66.69	46.13	994.3	1122.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2254.2</b>	<b>26222.</b>	<b>2653.3</b>
Stddev	6.6	92.	28.8
%RSD	.29176	.35024	1.0848
#1	2259.7	26126.	2620.4
#2	2246.9	26231.	2674.0
#3	2256.0	26309.	2665.4

Sample Name:	460-43408-e-49-e@4	Acquired:	8/16/2012 21:15:19	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>29360.</b>	<b>38.77</b>	<b>2.742</b>	<b>1928.</b>	<b>1.336</b>	<b>26200.</b>
Stddev	239.	3.21	.983	2.	.075	69.
%RSD	.8148	8.291	35.86	.0995	5.590	.2616
#1	29260.	42.45	1.612	1928.	1.406	26140.
#2	29190.	36.50	3.207	1930.	1.258	26200.
#3	29630.	37.36	3.406	1926.	1.345	26270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>38.42</b>	<b>24.42</b>	<b>198.3</b>	<b>532.5</b>	<b>142200.</b>	<b>1971.</b>
Stddev	.12	.21	.5	6.7	203.	17.
%RSD	.3162	.8588	.2472	1.261	.1429	.8405
#1	38.36	24.31	197.7	524.9	142100.	1972.
#2	38.35	24.28	198.6	537.8	142100.	1955.
#3	38.56	24.66	198.6	534.7	142400.	1988.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7026.</b>	<b>1108.</b>	<b>273.3</b>	<b>744.4</b>	<b>9153.</b>	<b>165.0</b>
Stddev	13.	3.	21.8	3.1	20.	3.5
%RSD	.1789	.2819	7.977	.4176	.2209	2.104
#1	7023.	1105.	259.3	743.6	9142.	163.8
#2	7015.	1108.	298.4	747.9	9177.	168.9
#3	7040.	1111.	262.1	741.9	9141.	162.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43408-e-49-e@4 Acquired: 8/16/2012 21:15:19 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.081</b>	<b>-4.770</b>	<b>108.1</b>	<b>F 8416.</b>	<b>48.47</b>	<b>6.585</b>
Stddev	3.750	1.011	.8	18.	.94	.189
%RSD	347.1	21.20	.7615	.2104	1.937	2.873
#1	4.958	-5.850	107.2	8401.	49.51	6.366
#2	.8127	-4.613	108.8	8436.	48.22	6.697
#3	-2.529	-3.846	108.2	8411.	47.68	6.691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>368.0</b>	<b>132.0</b>	<b>867.4</b>	<b>1204.</b>
Stddev	2.4	.7	5.8	24.
%RSD	.6458	.5232	.6670	2.011
#1	365.6	131.7	860.8	1220.
#2	370.3	131.5	869.7	1216.
#3	368.0	132.8	871.7	1176.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2200.7</b>	<b>25864.</b>	<b>2637.1</b>
Stddev	5.1	28.	19.7
%RSD	.23049	.10770	.74572
#1	2206.4	25845.	2629.2
#2	2196.6	25896.	2659.5
#3	2199.2	25851.	2622.6

Sample Name: CCV Acquired: 8/16/2012 21:18:53 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123100.	2472.	1231.	9899.	978.9	124200.
Stddev	409.	17.	5.	55.	2.4	615.
%RSD	.3322	.6823	.4085	.5572	.2486	.4950

#1	122700.	2490.	1227.	9961.	976.2	124800.
#2	123200.	2457.	1230.	9855.	979.5	123600.
#3	123500.	2469.	1237.	9882.	980.9	124300.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1246.	2483.	4999.	12340.	100300.	48930.
Stddev	7.	14.	23.	65.	353.	178.
%RSD	.5592	.5485	.4593	.5309	.3521	.3645

#1	1253.	2498.	4975.	12400.	99950.	49010.
#2	1240.	2473.	5002.	12270.	100200.	48720.
#3	1244.	2476.	5021.	12340.	100600.	49050.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124700.	5044.	123200.	2500.	7575.	988.5
Stddev	531.	18.	273.	15.	29.	7.7
%RSD	.4260	.3551	.2213	.5869	.3814	.7815

#1	124100.	5042.	123600.	2516.	7606.	993.2
#2	124700.	5027.	123000.	2488.	7549.	979.5
#3	125200.	5062.	123100.	2496.	7571.	992.6

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/16/2012 21:18:53 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2466.	2515.	2471.	2488.	975.0	2456.
Stddev	16.	7.	11.	14.	2.3	10.
%RSD	.6330	.2655	.4374	.5472	.2409	.4163

#1	2479.	2523.	2465.	2503.	977.3	2467.
#2	2448.	2511.	2464.	2476.	972.6	2447.
#3	2470.	2511.	2483.	2485.	975.1	2454.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	992.1	4939.	9853.	9734.
Stddev	8.6	5.	12.	38.
%RSD	.8663	.0934	.1260	.3937

#1	1002.	4942.	9843.	9749.
#2	987.2	4934.	9850.	9690.
#3	987.1	4941.	9867.	9762.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2055.3	23807.	2556.6
Stddev	9.6	72.	4.5
%RSD	.46759	.30174	.17626

#1	2045.5	23868.	2553.2
#2	2064.7	23826.	2561.7
#3	2055.7	23728.	2554.9

Sample Name: CCB Acquired: 8/16/2012 21:22:14 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-8.381</b>	<b>1.211</b>	<b>-.9672</b>	<b>.4723</b>	<b>-.1251</b>	<b>13.09</b>
Stddev	18.44	2.225	.9188	.4451	.1409	10.87
%RSD	220.0	183.7	95.00	94.25	112.7	83.05

#1	-5.812	3.344	-.3103	.9208	-.1449	25.64
#2	8.638	1.385	-2.017	.4655	.0247	7.223
#3	-27.97	-1.095	-.5741	.0306	-.2550	6.416

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1340</b>	<b>-.2602</b>	<b>.8808</b>	<b>-1.622</b>	<b>10.80</b>	<b>33.13</b>
Stddev	.0899	.1384	.5757	.832	25.89	80.96
%RSD	67.10	53.19	65.36	51.26	239.6	244.4

#1	.2241	-.4159	1.157	-.8452	23.16	77.20
#2	.0443	-.2138	1.266	-1.522	28.20	82.49
#3	.1335	-.1510	.2190	-2.500	-18.95	-60.31

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.33</b>	<b>.3929</b>	<b>16.57</b>	<b>-.0833</b>	<b>-.3609</b>	<b>3.831</b>
Stddev	16.46	.3508	33.80	.1316	1.797	2.331
%RSD	133.5	89.29	203.9	158.1	497.9	60.85

#1	31.33	.7954	52.10	-.1151	.3192	1.286
#2	3.450	.2312	12.80	-.1961	.9964	4.344
#3	2.223	.1521	-15.18	.0614	-2.398	5.862

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 21:22:14 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.335</b>	<b>.5275</b>	<b>.5032</b>	<b>.2986</b>	<b>2.476</b>	<b>3.697</b>
Stddev	3.326	1.521	.1352	.2223	.220	2.144
%RSD	142.5	288.4	26.87	74.44	8.899	58.00
#1	-3.845	1.250	.5711	.5551	2.236	6.086
#2	1.478	-1.220	.3475	.1773	2.523	3.070
#3	-4.638	1.553	.5910	.1633	2.669	1.937

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9717</b>	<b>.4290</b>	<b>1.395</b>	<b>-11.30</b>
Stddev	1.313	.3755	3.510	21.26
%RSD	135.1	87.53	251.7	188.1
#1	1.221	.7754	3.233	-35.85
#2	2.142	.4818	3.604	.5336
#3	-.4476	.0299	-2.653	1.409

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2194.6</b>	<b>25876.</b>	<b>2570.5</b>
Stddev	3.0	85.	6.0
%RSD	.13742	.32993	.23192
#1	2197.6	25781.	2563.8
#2	2191.6	25947.	2572.3
#3	2194.5	25899.	2575.4

Sample Name: 460-43408-e-50-e@4 Acquired: 8/16/2012 21:26:01 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>51470.</b>	<b>24.21</b>	<b>-.3668</b>	<b>389.5</b>	<b>1.670</b>	<b>4808.</b>
Stddev	142.	2.25	.0830	2.3	.093	7.
%RSD	.2762	9.288	22.62	.5864	5.560	.1511
#1	51620.	24.88	-.3685	392.1	1.618	4804.
#2	51440.	21.70	-.2829	388.5	1.777	4816.
#3	51340.	26.04	-.4488	387.9	1.615	4803.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.459</b>	<b>24.17</b>	<b>107.4</b>	<b>97.89</b>	<b>94580.</b>	<b>2306.</b>
Stddev	.134	.25	1.1	2.82	296.	68.
%RSD	2.450	1.038	1.059	2.881	.3125	2.943
#1	5.576	24.46	106.7	99.81	94470.	2258.
#2	5.313	24.02	106.8	94.65	94350.	2276.
#3	5.488	24.02	108.7	99.20	94910.	2384.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7098.</b>	<b>779.0</b>	<b>74.95</b>	<b>92.72</b>	<b>7005.</b>	<b>89.77</b>
Stddev	25.	2.0	7.50	.88	40.	1.52
%RSD	.3471	.2542	10.01	.9495	.5689	1.692
#1	7081.	777.5	71.41	93.30	7049.	90.70
#2	7087.	778.3	83.57	93.16	6994.	90.59
#3	7126.	781.2	69.88	91.71	6971.	88.02

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-50-e@4 Acquired: 8/16/2012 21:26:01 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.865</b>	<b>-2.178</b>	<b>122.2</b>	<b>1082.</b>	<b>12.56</b>	<b>3.285</b>
Stddev	3.201	.805	1.2	6.	.78	.274
%RSD	82.83	36.97	.9698	.5763	6.237	8.350
#1	1.668	-3.082	121.5	1089.	11.92	3.528
#2	7.538	-1.915	121.6	1077.	13.43	3.338
#3	2.389	-1.537	123.6	1080.	12.32	2.987

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>498.3</b>	<b>48.29</b>	<b>1170.</b>	<b>1082.</b>
Stddev	3.8	.14	3.	3.
%RSD	.7725	.2944	.2683	.2977
#1	502.6	48.41	1174.	1081.
#2	495.1	48.31	1168.	1079.
#3	497.3	48.13	1169.	1085.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2238.8</b>	<b>26188.</b>	<b>2657.2</b>
Stddev	8.0	152.	9.0
%RSD	.35935	.58187	.33827
#1	2229.5	26153.	2648.2
#2	2243.0	26355.	2666.2
#3	2243.9	26057.	2657.3

Sample Name: 460-43408-e-51-e@4 Acquired: 8/16/2012 21:29:36 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37130.</b>	<b>44.86</b>	<b>4.058</b>	<b>2481.</b>	<b>1.408</b>	<b>40710.</b>
Stddev	214.	1.16	.440	4.	.184	281.
%RSD	.5774	2.588	10.84	.1714	13.08	.6903
#1	37370.	43.96	3.664	2484.	1.593	41040.
#2	36950.	44.46	3.979	2483.	1.225	40520.
#3	37060.	46.17	4.533	2476.	1.406	40580.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>48.58</b>	<b>24.52</b>	<b>153.9</b>	<b>708.8</b>	<b>108600.</b>	<b>3427.</b>
Stddev	.16	.29	.5	8.2	180.	38.
%RSD	.3340	1.192	.3052	1.157	.1657	1.121
#1	48.60	24.85	153.4	718.3	108400.	3453.
#2	48.74	24.29	154.1	703.3	108800.	3383.
#3	48.41	24.43	154.3	704.9	108600.	3445.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9976.</b>	<b>1068.</b>	<b>514.0</b>	<b>1113.</b>	<b>F 19240.</b>	<b>601.9</b>
Stddev	14.	2.	13.3	3.	19.	3.8
%RSD	.1381	.1799	2.583	.2495	.1009	.6246
#1	9963.	1066.	523.6	1116.	19250.	606.2
#2	9974.	1070.	498.8	1114.	19260.	599.4
#3	9990.	1068.	519.4	1110.	19220.	600.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					15000.	
Low Limit					-10.00	

Sample Name: 460-43408-e-51-e@4 Acquired: 8/16/2012 21:29:36 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.270	-2.861	148.5	F 11090.	44.17	3.951
Stddev	6.213	3.121	.8	14.	.58	.077
%RSD	145.5	109.1	.5687	.1264	1.305	1.957
#1	7.999	-6.232	149.4	11100.	44.51	3.878
#2	7.713	-0.0715	147.7	11090.	44.50	3.943
#3	-2.903	-2.279	148.4	11070.	43.51	4.032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	615.8	232.5	1059.	1285.
Stddev	.9	1.7	6.	29.
%RSD	.1489	.7241	.5555	2.278
#1	615.7	234.4	1065.	1314.
#2	616.8	231.4	1054.	1284.
#3	615.0	231.6	1057.	1256.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2209.3	25811.	2637.3
Stddev	2.0	18.	17.4
%RSD	.09103	.06943	.65929
#1	2209.2	25795.	2618.5
#2	2211.4	25830.	2652.9
#3	2207.4	25806.	2640.4

Sample Name: 460-43408-e-52-e@4 Acquired: 8/16/2012 21:33:08 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>48490.</b>	<b>20.20</b>	<b>-.8542</b>	<b>631.9</b>	<b>1.804</b>	<b>9671.</b>
Stddev	349.	2.36	.9803	2.4	.009	56.
%RSD	.7187	11.67	114.8	.3833	.4884	.5826
#1	48890.	19.57	-1.682	631.8	1.795	9727.
#2	48320.	18.22	.2285	634.4	1.804	9673.
#3	48260.	22.81	-1.109	629.6	1.813	9614.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15.95</b>	<b>23.97</b>	<b>106.6</b>	<b>181.9</b>	<b>85790.</b>	<b>2154.</b>
Stddev	.07	.26	1.9	8.2	1030.	112.
%RSD	.4252	1.099	1.817	4.499	1.201	5.203
#1	15.93	23.92	108.8	182.0	86960.	2283.
#2	16.03	24.25	106.0	190.0	85330.	2089.
#3	15.90	23.73	105.0	173.6	85060.	2090.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7397.</b>	<b>962.8</b>	<b>122.3</b>	<b>196.8</b>	<b>1746.</b>	<b>27.22</b>
Stddev	75.	13.4	8.6	1.6	10.	1.05
%RSD	1.008	1.388	6.993	.8368	.5827	3.844
#1	7483.	978.1	124.1	198.5	1756.	27.24
#2	7366.	957.0	112.9	196.7	1748.	28.25
#3	7344.	953.4	129.8	195.2	1736.	26.16

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-e-52-e@4 Acquired: 8/16/2012 21:33:08 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.811</b>	<b>-3.986</b>	<b>119.8</b>	<b>2317.</b>	<b>16.95</b>	<b>3.048</b>
Stddev	1.954	1.510	1.6	12.	.28	.154
%RSD	33.62	37.88	1.330	.5006	1.643	5.059
#1	3.969	-3.021	121.6	2326.	17.19	3.080
#2	5.605	-3.211	119.5	2321.	17.01	3.184
#3	7.860	-5.726	118.4	2304.	16.65	2.880

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>83.55</b>	<b>63.26</b>	<b>1093.</b>	<b>992.9</b>
Stddev	.60	.49	8.	9.1
%RSD	.7236	.7706	.7686	.9170
#1	83.80	63.78	1101.	982.4
#2	83.99	63.19	1094.	998.4
#3	82.86	62.81	1084.	997.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2251.5</b>	<b>26154.</b>	<b>2690.0</b>
Stddev	4.2	211.	21.5
%RSD	.18636	.80614	.80020
#1	2246.7	25913.	2665.8
#2	2253.9	26243.	2706.8
#3	2254.0	26306.	2697.5

Sample Name:	460-43554-a-1-a@4	Acquired:	8/16/2012 21:36:41	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>75390.</b>	<b>329.3</b>	<b>-.3776</b>	<b>1661.</b>	<b>8.421</b>	<b>27000.</b>
Stddev	160.	2.2	1.292	7.	.076	64.
%RSD	.2126	.6611	342.0	.4124	.9064	.2380

#1	75510.	329.3	-1.615	1666.	8.338	27060.
#2	75450.	331.5	-4794	1662.	8.489	27010.
#3	75210.	327.1	.9619	1653.	8.434	26930.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.271</b>	<b>54.09</b>	<b>234.4</b>	<b>248.9</b>	<b>191500.</b>	<b>6956.</b>
Stddev	.255	.19	.9	3.0	425.	84.
%RSD	3.082	.3446	.3838	1.209	.2220	1.205
#1	8.555	54.30	233.4	249.9	191000.	6995.
#2	8.199	53.97	234.6	245.5	191900.	6860.
#3	8.061	53.99	235.2	251.3	191600.	7013.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8585.</b>	<b>1568.</b>	<b>1327.</b>	<b>143.2</b>	<b>257.9</b>	<b>-.8490</b>
Stddev	5.	6.	2.	.4	.8	.6416
%RSD	.0610	.3558	.1718	.2906	.3149	75.58
#1	8580.	1562.	1330.	143.3	258.1	-.6016
#2	8586.	1570.	1325.	143.6	258.6	-1.578
#3	8590.	1573.	1327.	142.8	257.0	-.3679

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43554-a-1-a@4 Acquired: 8/16/2012 21:36:41 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.927</b>	<b>.7653</b>	<b>337.6</b>	<b>1565.</b>	<b>188.0</b>	<b>23.33</b>
Stddev	5.729	.8520	1.4	5.	1.9	.29
%RSD	64.17	111.3	.4293	.3304	.9864	1.263
#1	10.02	-.1814	336.0	1570.	189.6	23.29
#2	2.729	1.007	338.8	1565.	185.9	23.64
#3	14.03	1.470	338.1	1560.	188.5	23.05

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>22.44</b>	<b>1059.</b>	<b>2069.</b>	<b>2349.</b>
Stddev	.83	.	13.	146.
%RSD	3.699	.0231	.6489	6.226
#1	21.89	1059.	2082.	2509.
#2	22.03	1059.	2070.	2314.
#3	23.39	1058.	2055.	2223.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2318.0</b>	<b>27058.</b>	<b>2781.5</b>
Stddev	5.7	148.	8.6
%RSD	.24460	.54523	.31086
#1	2314.8	27150.	2778.1
#2	2324.6	27136.	2775.0
#3	2314.7	26888.	2791.3

Sample Name: 460-43554-a-11-a@4 Acquired: 8/16/2012 21:40:16 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>55410.</b>	<b>230.1</b>	<b>.5317</b>	<b>1167.</b>	<b>6.350</b>	<b>17470.</b>
Stddev	286.	2.7	.6868	3.	.190	114.
%RSD	.5160	1.182	129.2	.2535	2.995	.6504
#1	55250.	232.2	-.2020	1168.	6.470	17340.
#2	55740.	227.0	1.159	1169.	6.449	17560.
#3	55240.	231.0	.6379	1164.	6.130	17510.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13.55</b>	<b>51.67</b>	<b>206.5</b>	<b>312.4</b>	<b>149500.</b>	<b>4788.</b>
Stddev	.04	.66	.9	6.8	150.	114.
%RSD	.3225	1.280	.4461	2.174	.1003	2.387
#1	13.54	52.40	207.6	306.1	149600.	4696.
#2	13.51	51.49	206.1	311.4	149500.	4916.
#3	13.60	51.11	205.9	319.6	149300.	4753.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7090.</b>	<b>1679.</b>	<b>732.5</b>	<b>121.0</b>	<b>278.2</b>	<b>1.508</b>
Stddev	6.	3.	12.7	.5	1.7	3.171
%RSD	.0802	.1706	1.730	.4536	.5992	210.3
#1	7092.	1676.	723.8	121.7	278.1	5.100
#2	7084.	1681.	726.5	120.7	279.9	.3296
#3	7095.	1681.	747.0	120.7	276.6	-.9049

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43554-a-11-a@4 Acquired: 8/16/2012 21:40:16 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.635</b>	<b>-4049</b>	<b>226.9</b>	<b>2139.</b>	<b>109.2</b>	<b>7.862</b>
Stddev	2.006	1.422	.5	5.	.8	.200
%RSD	23.24	351.2	.2310	.2348	.7613	2.549
#1	9.811	-2.006	226.5	2141.	110.1	7.666
#2	6.318	.7097	226.7	2142.	108.5	8.066
#3	9.774	.0820	227.5	2133.	108.9	7.855

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>24.99</b>	<b>664.1</b>	<b>1280.</b>	<b>1326.</b>
Stddev	.85	2.2	6.	55.
%RSD	3.395	.3270	.4697	4.163
#1	25.23	662.4	1273.	1388.
#2	25.69	666.6	1285.	1308.
#3	24.05	663.4	1281.	1283.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2301.1</b>	<b>26867.</b>	<b>2753.3</b>
Stddev	3.0	35.	17.2
%RSD	.13171	.12927	.62404
#1	2304.5	26841.	2772.6
#2	2299.7	26906.	2739.8
#3	2298.9	26854.	2747.4

Sample Name:	460-43282-f-2-d@4	Acquired:	8/16/2012 21:43:49	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14690.	200.5	-2.056	344.5	1.138	23640.
Stddev	25.	2.4	.411	.6	.289	97.
%RSD	.1689	1.184	20.01	.1648	25.43	.4099
#1	14670.	199.0	-2.017	345.0	.8946	23750.
#2	14690.	199.2	-2.486	344.7	1.062	23560.
#3	14720.	203.2	-1.666	343.9	1.458	23620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24.05	44.93	51.79	381.5	F 490700.	1276.
Stddev	.37	.67	.49	4.5	652.	41.
%RSD	1.544	1.483	.9506	1.176	.1328	3.205
#1	24.34	44.34	51.44	376.7	489900.	1247.
#2	24.17	45.66	52.35	382.4	491000.	1258.
#3	23.63	44.79	51.57	385.5	491100.	1323.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5731.	5512.	235.1	79.28	1805.	1.740
Stddev	22.	7.	12.2	.42	7.	2.316
%RSD	.3823	.1219	5.206	.5355	.4098	133.1
#1	5706.	5510.	244.9	79.68	1813.	-.6348
#2	5748.	5520.	239.0	79.33	1804.	3.993
#3	5740.	5507.	221.4	78.83	1798.	1.864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43282-f-2-d@4 Acquired: 8/16/2012 21:43:49 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.690</b>	<b>-7.533</b>	<b>179.9</b>	<b>3625.</b>	<b>19.36</b>	<b>12.76</b>
Stddev	3.651	1.146	.8	8.	.18	.28
%RSD	77.85	15.21	.4450	.2144	.9393	2.158
#1	1.107	-7.352	180.7	3632.	19.41	12.87
#2	4.557	-6.489	180.0	3626.	19.52	12.96
#3	8.406	-8.759	179.1	3616.	19.16	12.45

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>127.8</b>	<b>188.3</b>	<b>805.6</b>	<b>1245.</b>
Stddev	1.2	.2	4.5	65.
%RSD	.9512	.0824	.5553	5.217
#1	128.1	188.2	804.7	1309.
#2	128.8	188.1	801.6	1246.
#3	126.4	188.4	810.4	1179.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2237.7</b>	<b>26185.</b>	<b>2712.4</b>
Stddev	7.6	62.	15.7
%RSD	.33970	.23559	.58048
#1	2229.0	26232.	2702.4
#2	2241.6	26115.	2730.6
#3	2242.7	26209.	2704.3

Sample Name: 460-43282-b-4-b@4 Acquired: 8/16/2012 21:47:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>25760.</b>	<b>18.20</b>	<b>-1.115</b>	<b>121.8</b>	<b>1.891</b>	<b>11790.</b>
Stddev	159.	3.38	.674	1.0	.150	39.
%RSD	.6175	18.55	60.45	.8190	7.921	.3282
#1	25580.	21.40	-.5380	122.4	1.990	11820.
#2	25840.	14.67	-1.856	122.4	1.964	11810.
#3	25860.	18.54	-.9510	120.7	1.719	11750.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.6537</b>	<b>17.97</b>	<b>49.91</b>	<b>125.3</b>	<b>69010.</b>	<b>2887.</b>
Stddev	.0753	.48	.45	3.5	394.	32.
%RSD	11.51	2.659	.9003	2.771	.5702	1.103
#1	.7305	17.98	49.98	128.4	68900.	2922.
#2	.6507	18.44	50.32	126.0	69450.	2877.
#3	.5800	17.48	49.43	121.5	68690.	2861.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9205.</b>	<b>361.8</b>	<b>414.8</b>	<b>46.84</b>	<b>233.1</b>	<b>-1.067</b>
Stddev	49.	2.0	24.3	1.16	3.7	2.836
%RSD	.5362	.5471	5.861	2.484	1.575	265.7
#1	9169.	361.6	438.6	47.27	236.2	-1.194
#2	9261.	363.9	415.7	47.73	233.9	1.830
#3	9185.	360.0	390.0	45.52	229.0	-3.838

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43282-b-4-b@4 Acquired: 8/16/2012 21:47:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.704</b>	<b>-4.286</b>	<b>71.35</b>	<b>277.0</b>	<b>13.76</b>	<b>1.715</b>
Stddev	2.469	3.019	.18	2.1	.77	.353
%RSD	66.67	70.44	.2512	.7757	5.567	20.57
#1	5.293	-5.666	71.49	279.0	14.29	2.049
#2	4.960	-.8233	71.42	277.4	12.88	1.749
#3	.8589	-6.367	71.15	274.7	14.12	1.346

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>8.133</b>	<b>84.70</b>	<b>758.7</b>	<b>910.8</b>
Stddev	.792	.49	4.8	19.9
%RSD	9.734	.5766	.6306	2.188
#1	8.684	84.71	754.5	888.3
#2	8.490	85.18	763.9	926.3
#3	7.226	84.20	757.7	917.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2332.4</b>	<b>27307.</b>	<b>2772.0</b>
Stddev	7.5	40.	1.1
%RSD	.32240	.14722	.03917
#1	2325.8	27322.	2772.7
#2	2330.7	27262.	2770.8
#3	2340.6	27338.	2772.5

Sample Name: 460-43282-f-6-a@4 Acquired: 8/16/2012 21:51:00 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>29240.</b>	<b>68.56</b>	<b>-1.522</b>	<b>257.3</b>	<b>1.903</b>	<b>52140.</b>
Stddev	189.	2.08	1.085	1.2	.165	121.
%RSD	.6454	3.038	71.27	.4823	8.667	.2313
#1	29420.	66.16	-2.773	258.7	1.739	52120.
#2	29250.	69.91	-.8426	256.4	2.069	52030.
#3	29040.	69.61	-.9507	256.9	1.900	52270.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.312</b>	<b>51.02</b>	<b>75.69</b>	<b>348.3</b>	<b>F 202000.</b>	<b>4532.</b>
Stddev	.138	.44	.59	10.4	172.	77.
%RSD	10.52	.8638	.7746	2.972	.0852	1.704
#1	1.450	51.20	76.35	341.4	202200.	4497.
#2	1.314	51.34	75.22	343.3	201900.	4479.
#3	1.173	50.52	75.51	360.2	201900.	4621.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					200000.	
Low Limit					-150.0	

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13920.</b>	<b>1102.</b>	<b>707.5</b>	<b>148.8</b>	<b>1694.</b>	<b>1.150</b>
Stddev	31.	2.	20.0	.7	6.	1.063
%RSD	.2224	.2124	2.833	.4402	.3352	92.37
#1	13950.	1100.	689.1	149.5	1701.	2.377
#2	13890.	1102.	704.6	148.5	1692.	.5218
#3	13910.	1105.	728.9	148.3	1690.	.5522

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43282-f-6-a@4 Acquired: 8/16/2012 21:51:00 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.454</b>	<b>-2.753</b>	<b>140.0</b>	<b>640.2</b>	<b>18.02</b>	<b>3.478</b>
Stddev	6.339	1.449	.8	3.7	1.30	.192
%RSD	183.6	52.66	.5460	.5756	7.210	5.525
#1	2.443	-3.079	139.8	644.5	16.52	3.288
#2	-2.320	-1.168	139.5	638.1	18.86	3.672
#3	10.24	-4.011	140.9	638.0	18.66	3.475

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>29.46</b>	<b>136.4</b>	<b>852.9</b>	<b>1148.</b>
Stddev	.93	.5	2.2	42.
%RSD	3.144	.3782	.2572	3.621
#1	28.61	136.9	855.3	1196.
#2	29.32	136.4	852.4	1126.
#3	30.45	135.8	851.0	1122.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2258.3</b>	<b>26477.</b>	<b>2751.3</b>
Stddev	4.8	68.	7.5
%RSD	.21418	.25654	.27416
#1	2253.1	26399.	2746.0
#2	2259.0	26527.	2759.9
#3	2262.7	26504.	2747.9

Sample Name: 460-43282-e-8-a@4 Acquired: 8/16/2012 21:54:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37060.</b>	<b>30.71</b>	<b>-1.830</b>	<b>283.5</b>	<b>1.612</b>	<b>34400.</b>
Stddev	242.	1.75	.629	1.2	.143	152.
%RSD	.6521	5.685	34.35	.4158	8.850	.4405
#1	36810.	28.70	-2.470	284.8	1.698	34230.
#2	37300.	31.81	-1.213	283.4	1.447	34520.
#3	37070.	31.63	-1.807	282.5	1.690	34440.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.5413</b>	<b>26.58</b>	<b>83.81</b>	<b>160.9</b>	<b>135000.</b>	<b>3929.</b>
Stddev	.0453	.30	.12	2.9	336.	138.
%RSD	8.376	1.138	.1388	1.801	.2490	3.520
#1	.5222	26.37	83.88	157.8	134800.	3829.
#2	.5931	26.92	83.68	163.5	135400.	3871.
#3	.5086	26.43	83.87	161.6	134900.	4087.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12940.</b>	<b>653.3</b>	<b>441.5</b>	<b>76.81</b>	<b>1024.</b>	<b>.6043</b>
Stddev	42.	2.1	15.1	.84	3.	.1634
%RSD	.3227	.3218	3.417	1.097	.2487	27.04
#1	12890.	651.3	427.6	76.73	1025.	.7906
#2	12970.	655.5	457.6	77.69	1026.	.4853
#3	12950.	653.0	439.4	76.01	1021.	.5370

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43282-e-8-a@4 Acquired: 8/16/2012 21:54:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.328</b>	<b>-2.049</b>	<b>173.1</b>	<b>430.1</b>	<b>18.48</b>	<b>4.787</b>
Stddev	2.564	1.235	1.0	1.2	.92	.404
%RSD	193.0	60.30	.5974	.2870	4.959	8.444
#1	-.2197	-.8814	172.4	430.5	18.98	4.401
#2	-4.260	-1.922	174.3	431.1	17.42	5.207
#3	.4949	-3.342	172.5	428.7	19.04	4.753

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>13.99</b>	<b>201.7</b>	<b>851.5</b>	<b>1080.</b>
Stddev	.49	.6	5.6	20.
%RSD	3.495	.3188	.6540	1.854
#1	13.89	201.3	846.9	1102.
#2	13.55	202.4	857.7	1076.
#3	14.52	201.4	849.8	1062.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2252.4</b>	<b>26423.</b>	<b>2716.8</b>
Stddev	.5	92.	3.9
%RSD	.02134	.34837	.14535
#1	2251.9	26523.	2720.8
#2	2252.9	26341.	2712.9
#3	2252.5	26407.	2716.7

Sample Name: 460-43282-d-10-a@4 Acquired: 8/16/2012 21:58:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>34200.</b>	<b>16.07</b>	<b>-1.038</b>	<b>99.45</b>	<b>2.138</b>	<b>25090.</b>
Stddev	149.	1.04	.833	.34	.022	112.
%RSD	.4368	6.461	80.24	.3424	1.041	.4454
#1	34190.	17.17	-1.974	99.61	2.162	25090.
#2	34050.	15.94	-.7644	99.69	2.135	24980.
#3	34350.	15.11	-.3765	99.06	2.118	25200.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2697</b>	<b>21.33</b>	<b>54.24</b>	<b>84.48</b>	<b>70630.</b>	<b>2604.</b>
Stddev	.1041	.20	.74	3.25	213.	29.
%RSD	38.61	.9614	1.358	3.847	.3010	1.106
#1	.3415	21.55	53.45	87.11	70440.	2631.
#2	.3173	21.28	54.90	85.50	70860.	2574.
#3	.1503	21.15	54.37	80.85	70600.	2607.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12450.</b>	<b>520.0</b>	<b>275.3</b>	<b>63.19</b>	<b>106.0</b>	<b>.3557</b>
Stddev	57.	1.1	7.8	.18	2.1	1.120
%RSD	.4596	.2192	2.844	.2883	1.991	314.8
#1	12390.	518.6	266.6	63.13	107.2	.2108
#2	12500.	520.5	277.5	63.40	103.6	1.541
#3	12460.	520.7	281.8	63.05	107.2	-.6846

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43282-d-10-a@4 Acquired: 8/16/2012 21:58:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.344</b>	<b>-1.614</b>	<b>79.43</b>	<b>213.8</b>	<b>9.339</b>	<b>.8055</b>
Stddev	2.297	1.299	.33	1.2	.646	.4430
%RSD	68.70	80.51	.4157	.5646	6.916	54.99
#1	3.089	-.1263	79.08	215.2	8.685	.6996
#2	5.757	-2.188	79.73	213.1	9.355	1.292
#3	1.184	-2.527	79.48	213.0	9.977	.4251

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>5.711</b>	<b>104.5</b>	<b>512.2</b>	<b>831.3</b>
Stddev	.510	.4	2.4	22.3
%RSD	8.924	.3591	.4622	2.685
#1	5.481	104.5	514.9	846.5
#2	5.357	104.1	511.4	805.7
#3	6.295	104.9	510.4	841.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2260.1</b>	<b>26419.</b>	<b>2684.0</b>
Stddev	9.7	36.	9.2
%RSD	.43010	.13752	.34216
#1	2248.9	26378.	2677.5
#2	2266.6	26434.	2694.5
#3	2264.8	26446.	2680.0

Sample Name: CCV Acquired: 8/16/2012 22:01:49 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123600.	2461.	1228.	9857.	979.3	124500.
Stddev	174.	3.	3.	5.	3.9	246.
%RSD	.1408	.1221	.2047	.0484	.3931	.1979

#1	123400.	2462.	1225.	9860.	974.9	124200.
#2	123500.	2463.	1230.	9859.	981.0	124700.
#3	123800.	2457.	1230.	9852.	982.0	124500.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1240.	2476.	4984.	12370.	99890.	49060.
Stddev	1.	1.	14.	10.	319.	181.
%RSD	.0407	.0422	.2869	.0831	.3189	.3689

#1	1240.	2476.	4972.	12360.	99550.	48850.
#2	1241.	2477.	4980.	12370.	99950.	49160.
#3	1240.	2475.	4999.	12380.	100200.	49170.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124200.	5036.	123600.	2494.	7543.	986.6
Stddev	410.	12.	91.	3.	3.	3.3
%RSD	.3301	.2358	.0735	.1152	.0337	.3344

#1	123900.	5022.	123600.	2492.	7541.	987.6
#2	124000.	5042.	123700.	2497.	7545.	989.2
#3	124600.	5044.	123500.	2493.	7541.	982.9

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/16/2012 22:01:49 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2452.	2502.	2463.	2479.	969.6	2444.
Stddev	7.	10.	8.	1.	2.4	4.
%RSD	.2695	.4027	.3273	.0462	.2487	.1501

#1	2450.	2506.	2454.	2480.	969.1	2440.
#2	2447.	2510.	2467.	2478.	967.4	2446.
#3	2459.	2491.	2468.	2478.	972.2	2447.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	990.4	4968.	9875.	9662.
Stddev	1.2	10.	24.	32.
%RSD	.1242	.2083	.2467	.3354

#1	989.0	4956.	9849.	9639.
#2	991.3	4975.	9880.	9648.
#3	990.9	4973.	9898.	9699.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2067.1	23973.	2550.3
Stddev	1.2	55.	4.7
%RSD	.05746	.22760	.18470

#1	2065.8	23943.	2546.8
#2	2067.7	24036.	2548.5
#3	2067.9	23941.	2555.7

Sample Name: CCB Acquired: 8/16/2012 22:05:09 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	7.745	1.091	-6.169	.5520	-.0049	9.557
Stddev	27.62	.965	.6599	.4877	.1534	5.683
%RSD	356.6	88.39	107.0	88.35	3149.	59.47

#1	39.11	1.739	-.3641	1.108	.1485	15.68
#2	-2.970	1.553	-.1206	.3529	-.0047	4.459
#3	-12.91	-.0174	-1.366	.1954	-.1583	8.528

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1590	-.0190	1.008	-6.100	23.40	18.77
Stddev	.0421	.1964	.401	6.138	5.75	1.65
%RSD	26.50	1033.	39.81	100.6	24.57	8.810

#1	.2042	.1858	1.295	.9727	16.82	18.98
#2	.1208	-.2057	1.180	-9.232	27.43	17.02
#3	.1519	-.0372	.5495	-10.04	25.95	20.30

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.178	.4052	10.22	-.4862	-1.113	.6566
Stddev	8.699	.4339	8.14	.7744	2.073	1.253
%RSD	208.2	107.1	79.67	159.3	186.3	190.8

#1	14.07	.8995	13.52	.3866	.9585	-.7719
#2	.7307	.2293	.9455	-.7542	-3.188	1.172
#3	-2.270	.0868	16.19	-1.091	-1.110	1.570

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 22:05:09 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.433</b>	<b>-3.106</b>	<b>.6182</b>	<b>.3775</b>	<b>2.554</b>	<b>3.469</b>
Stddev	3.287	3.817	.1987	.3622	.377	1.944
%RSD	74.15	1229.	32.14	95.95	14.76	56.02
#1	1.185	2.194	.7543	.7727	2.394	5.641
#2	7.758	1.577	.7101	.0612	2.984	2.873
#3	4.356	-4.703	.3902	.2987	2.283	1.894

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.367</b>	<b>.5028</b>	<b>1.523</b>	<b>2.282</b>
Stddev	.358	.5719	1.241	10.63
%RSD	26.22	113.7	81.47	465.9
#1	1.671	1.151	2.645	6.569
#2	.9718	.2856	.1901	-9.825
#3	1.458	.0714	1.735	10.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2205.4</b>	<b>26083.</b>	<b>2578.4</b>
Stddev	3.3	99.	7.3
%RSD	.14841	.37839	.28236
#1	2202.1	26185.	2585.7
#2	2208.7	26078.	2578.2
#3	2205.4	25988.	2571.2

Sample Name:	460-43282-b-12-a@4	Acquired:	8/16/2012 22:08:56	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23260.</b>	<b>50.20</b>	<b>.2456</b>	<b>989.6</b>	<b>1.108</b>	<b>52730.</b>
Stddev	196.	3.53	.6632	2.3	.119	608.
%RSD	.8426	7.024	270.1	.2351	10.74	1.152
#1	23480.	53.60	.9609	987.5	1.135	53430.
#2	23160.	50.45	.1246	989.3	.9782	52390.
#3	23120.	46.56	-.3488	992.1	1.212	52380.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.300</b>	<b>27.34</b>	<b>127.0</b>	<b>674.3</b>	<b>131500.</b>	<b>2036.</b>
Stddev	.116	.07	.3	11.1	420.	73.
%RSD	3.524	.2518	.2573	1.652	.3193	3.579
#1	3.299	27.34	126.7	685.3	131900.	2092.
#2	3.416	27.41	127.3	674.6	131200.	1954.
#3	3.184	27.27	126.8	663.1	131300.	2063.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6704.</b>	<b>815.0</b>	<b>1012.</b>	<b>218.3</b>	<b>1489.</b>	<b>4.822</b>
Stddev	9.	4.9	16.	.5	3.	.738
%RSD	.1407	.6060	1.620	.2110	.2004	15.30
#1	6710.	820.6	1026.	217.8	1488.	5.442
#2	6708.	812.8	1016.	218.6	1487.	4.006
#3	6693.	811.5	993.8	218.5	1493.	5.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43282-b-12-a@4 Acquired: 8/16/2012 22:08:56 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.167</b>	<b>-6674</b>	<b>304.7</b>	<b>1248.</b>	<b>23.09</b>	<b>5.606</b>
Stddev	.861	2.361	.5	1.	.26	.268
%RSD	13.97	353.8	.1738	.1042	1.145	4.774
#1	5.462	-7064	305.1	1248.	23.08	5.388
#2	7.127	-3.009	304.1	1246.	22.83	5.524
#3	5.912	1.713	304.8	1249.	23.36	5.904

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>57.70</b>	<b>319.0</b>	<b>884.3</b>	<b>2588.</b>
Stddev	.85	4.5	9.8	143.
%RSD	1.467	1.420	1.114	5.510
#1	58.28	324.2	895.5	2728.
#2	58.09	316.9	876.8	2593.
#3	56.73	315.8	880.6	2443.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2226.9</b>	<b>26022.</b>	<b>2687.0</b>
Stddev	4.7	135.	11.9
%RSD	.20994	.51987	.44418
#1	2222.4	25868.	2681.2
#2	2231.8	26118.	2700.7
#3	2226.5	26081.	2679.0

Sample Name:	460-43282-g-14-a@4	Acquired:	8/16/2012 22:12:31	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>32180.</b>	<b>14.29</b>	<b>-.5843</b>	<b>199.8</b>	<b>1.540</b>	<b>25600.</b>
Stddev	129.	1.86	.5345	.8	.186	97.
%RSD	.3997	13.02	91.47	.4035	12.10	.3797
#1	32040.	12.58	-.6544	199.8	1.680	25480.
#2	32230.	16.27	-1.080	200.6	1.611	25650.
#3	32280.	14.02	-.0182	198.9	1.328	25650.

Check ?	Chk Pass					
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.191</b>	<b>19.05</b>	<b>57.86</b>	<b>59.30</b>	<b>52280.</b>	<b>3572.</b>
Stddev	.110	.21	.21	3.61	64.	58.
%RSD	9.190	1.125	.3706	6.087	.1221	1.623
#1	1.269	19.21	57.73	56.79	52200.	3565.
#2	1.238	18.80	57.74	57.67	52320.	3633.
#3	1.066	19.12	58.11	63.44	52310.	3517.

Check ?	Chk Pass					
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10990.</b>	<b>702.4</b>	<b>621.3</b>	<b>47.82</b>	<b>275.4</b>	<b>3.149</b>
Stddev	8.	.7	26.5	.54	.7	.447
%RSD	.0761	.0959	4.271	1.139	.2405	14.18
#1	10990.	702.7	640.8	48.19	274.7	3.524
#2	11000.	703.0	632.2	48.07	276.1	3.268
#3	11000.	701.7	591.1	47.20	275.5	2.655

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43282-g-14-a@4 Acquired: 8/16/2012 22:12:31 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.578</b>	<b>-1.853</b>	<b>96.72</b>	<b>288.7</b>	<b>22.15</b>	<b>3.186</b>
Stddev	2.895	3.191	.50	.8	.50	.382
%RSD	80.92	172.2	.5218	.2708	2.275	11.99
#1	6.907	-1.293	96.89	288.7	21.85	2.745
#2	1.653	1.021	97.12	289.4	22.73	3.396
#3	2.173	-5.288	96.15	287.8	21.87	3.417

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>7.288</b>	<b>150.6</b>	<b>636.1</b>	<b>1119.</b>
Stddev	2.233	.3	3.6	29.
%RSD	30.63	.2239	.5591	2.614
#1	9.399	150.2	632.0	1119.
#2	7.514	150.9	638.1	1148.
#3	4.951	150.7	638.3	1089.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2255.3</b>	<b>26369.</b>	<b>2707.0</b>
Stddev	5.1	32.	2.2
%RSD	.22793	.12289	.07993
#1	2249.6	26350.	2707.0
#2	2256.8	26351.	2709.1
#3	2259.5	26406.	2704.8

Sample Name: 460-43282-d-17-a@4 Acquired: 8/16/2012 22:16:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>29860.</b>	<b>14.10</b>	<b>-.6479</b>	<b>219.1</b>	<b>1.575</b>	<b>40210.</b>
Stddev	116.	3.18	1.325	.9	.036	219.
%RSD	.3899	22.59	204.5	.4052	2.283	.5434
#1	29870.	13.03	-.3648	219.1	1.615	40270.
#2	29980.	17.68	.5128	220.0	1.567	40400.
#3	29740.	11.58	-2.092	218.3	1.544	39970.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.148</b>	<b>21.09</b>	<b>65.25</b>	<b>117.6</b>	<b>53060.</b>	<b>3134.</b>
Stddev	.187	.25	.40	.8	157.	22.
%RSD	5.931	1.190	.6164	.6645	.2967	.6914
#1	3.325	21.38	64.85	117.0	52940.	3110.
#2	3.165	20.94	65.65	118.5	53240.	3152.
#3	2.953	20.94	65.25	117.4	53010.	3140.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20880.</b>	<b>633.0</b>	<b>508.4</b>	<b>61.66</b>	<b>690.9</b>	<b>1.361</b>
Stddev	66.	2.2	14.1	.39	3.9	.603
%RSD	.3148	.3516	2.776	.6330	.5580	44.33
#1	20810.	631.9	516.4	61.39	693.3	.7748
#2	20940.	635.5	516.7	62.11	693.0	1.980
#3	20870.	631.5	492.1	61.48	686.5	1.328

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43282-d-17-a@4 Acquired: 8/16/2012 22:16:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.699</b>	<b>-4.141</b>	<b>106.2</b>	<b>459.6</b>	<b>15.98</b>	<b>2.633</b>
Stddev	1.214	3.027	1.5	1.9	.11	.255
%RSD	25.84	73.10	1.400	.4132	.6864	9.679
#1	6.100	-7.551	104.7	460.9	15.89	2.638
#2	3.954	-3.101	107.7	460.5	15.94	2.376
#3	4.043	-1.771	106.3	457.4	16.10	2.885

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>12.35</b>	<b>124.9</b>	<b>861.4</b>	<b>920.1</b>
Stddev	.11	.9	3.4	23.8
%RSD	.9303	.7216	.3936	2.582
#1	12.49	124.6	864.6	893.1
#2	12.27	125.9	861.7	938.0
#3	12.30	124.2	857.9	929.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2257.7</b>	<b>26325.</b>	<b>2720.0</b>
Stddev	.7	55.	17.9
%RSD	.03251	.20797	.65910
#1	2258.4	26339.	2717.5
#2	2257.7	26264.	2703.4
#3	2257.0	26371.	2739.0

Sample Name: 460-43408-d-46-g du@ Acquired: 8/16/2012 22:19:45 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37150.</b>	<b>17.54</b>	<b>-.4141</b>	<b>613.1</b>	<b>1.519</b>	<b>7598.</b>
Stddev	76.	2.13	.8128	2.4	.152	23.
%RSD	.2054	12.14	196.3	.3836	10.03	.3006
#1	37200.	20.00	.4497	614.8	1.694	7610.
#2	37190.	16.26	-.5281	614.1	1.449	7572.
#3	37070.	16.37	-1.164	610.4	1.414	7613.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.630</b>	<b>19.99</b>	<b>90.28</b>	<b>94.60</b>	<b>65800.</b>	<b>1692.</b>
Stddev	.217	.15	.77	3.25	163.	58.
%RSD	3.265	.7730	.8544	3.438	.2479	3.410
#1	6.593	20.03	89.92	97.52	65620.	1700.
#2	6.863	20.11	91.17	91.09	65930.	1631.
#3	6.434	19.81	89.77	95.18	65860.	1745.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5446.</b>	<b>686.2</b>	<b>61.57</b>	<b>130.2</b>	<b>1705.</b>	<b>36.82</b>
Stddev	11.	2.8	20.85	.8	7.	1.71
%RSD	.1992	.4024	33.87	.6368	.4366	4.639
#1	5454.	683.3	38.88	130.7	1711.	34.95
#2	5450.	688.7	65.93	130.6	1707.	38.31
#3	5433.	686.7	79.89	129.2	1697.	37.19

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-d-46-g du@ Acquired: 8/16/2012 22:19:45 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.507	-2.286	103.9	1185.	10.39	2.430
Stddev	1.773	1.145	.3	8.	1.69	.171
%RSD	39.33	50.10	.2459	.6629	16.30	7.031
#1	2.619	-3.301	103.8	1192.	12.00	2.620
#2	6.136	-1.044	103.6	1186.	8.622	2.289
#3	4.766	-2.513	104.1	1177.	10.55	2.379

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	63.24	48.93	780.0	997.7
Stddev	.25	.16	3.9	7.0
%RSD	.3917	.3220	.4958	.6980
#1	63.48	48.76	783.3	1001.
#2	63.25	48.98	775.7	1003.
#3	62.99	49.06	780.9	989.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2250.7	26403.	2675.7
Stddev	5.5	69.	8.8
%RSD	.24431	.26000	.32751
#1	2244.5	26481.	2673.9
#2	2252.7	26374.	2685.2
#3	2254.9	26354.	2668.0

Sample Name: 460-43408-d-46-f@4 Acquired: 8/16/2012 22:23:19 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>35780.</b>	<b>15.48</b>	<b>-1.177</b>	<b>550.8</b>	<b>1.304</b>	<b>5782.</b>
Stddev	192.	.85	.172	3.0	.046	22.
%RSD	.5373	5.481	14.61	.5507	3.559	.3884
#1	35610.	15.58	-.9861	550.2	1.332	5770.
#2	35990.	16.28	-1.320	554.1	1.251	5808.
#3	35740.	14.59	-1.226	548.1	1.330	5767.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.587</b>	<b>19.37</b>	<b>76.86</b>	<b>116.9</b>	<b>65060.</b>	<b>1569.</b>
Stddev	.027	.49	.15	2.3	262.	41.
%RSD	.3124	2.547	.1887	1.980	.4027	2.632
#1	8.571	19.86	77.01	117.1	64830.	1554.
#2	8.618	19.39	76.82	114.5	65350.	1538.
#3	8.572	18.87	76.73	119.2	65020.	1616.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4971.</b>	<b>660.0</b>	<b>57.93</b>	<b>136.0</b>	<b>1645.</b>	<b>30.51</b>
Stddev	8.	1.4	19.44	.3	6.	.39
%RSD	.1539	.2179	33.55	.2372	.3794	1.269
#1	4967.	658.5	73.95	136.0	1640.	30.38
#2	4980.	660.2	36.31	136.4	1652.	30.21
#3	4966.	661.3	63.52	135.7	1642.	30.95

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-d-46-f@4 Acquired: 8/16/2012 22:23:19 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.193</b>	<b>-2.862</b>	<b>95.27</b>	<b>1457.</b>	<b>11.07</b>	<b>3.340</b>
Stddev	5.848	1.319	.74	5.	.43	.244
%RSD	112.6	46.07	.7798	.3097	3.883	7.299
#1	-.8354	-3.589	94.43	1456.	11.41	3.156
#2	10.84	-1.340	95.83	1461.	10.59	3.247
#3	5.571	-3.657	95.55	1452.	11.23	3.616

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>71.79</b>	<b>43.97</b>	<b>734.8</b>	<b>972.4</b>
Stddev	1.37	.25	.8	16.0
%RSD	1.904	.5671	.1036	1.643
#1	70.38	43.78	735.4	957.7
#2	73.11	44.25	734.0	989.4
#3	71.88	43.87	735.0	969.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2244.6</b>	<b>26276.</b>	<b>2681.8</b>
Stddev	.9	15.	4.6
%RSD	.03890	.05827	.17220
#1	2245.6	26284.	2684.8
#2	2244.3	26258.	2684.0
#3	2244.0	26286.	2676.5

Sample Name: sd 460-43408-d-46-f@ Acquired: 8/16/2012 22:26:55 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7173.</b>	<b>3.388</b>	<b>-.4338</b>	<b>109.7</b>	<b>.1549</b>	<b>1139.</b>
Stddev	32.	1.951	.6428	.2	.0845	7.
%RSD	.4432	57.58	148.2	.2039	54.58	.6407
#1	7147.	3.590	-.7800	109.9	.2212	1142.
#2	7163.	5.230	.3079	109.7	.0597	1143.
#3	7208.	1.344	-.8292	109.4	.1837	1130.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.700</b>	<b>3.481</b>	<b>15.78</b>	<b>19.59</b>	<b>13100.</b>	<b>333.2</b>
Stddev	.097	.154	.37	4.51	34.	116.7
%RSD	5.704	4.412	2.328	23.00	.2610	35.02
#1	1.803	3.354	15.38	18.72	13070.	333.8
#2	1.686	3.438	16.11	15.59	13140.	216.2
#3	1.610	3.652	15.83	24.47	13110.	449.6

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1018.</b>	<b>133.1</b>	<b>-20.52</b>	<b>26.72</b>	<b>331.1</b>	<b>4.857</b>
Stddev	5.	.3	11.41	.53	1.3	2.427
%RSD	.4484	.2289	55.62	1.965	.4031	49.97
#1	1013.	132.9	-31.29	26.11	332.3	6.887
#2	1018.	133.5	-8.561	27.05	329.7	5.513
#3	1022.	133.1	-21.69	26.99	331.1	2.169

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43408-d-46-f@ Acquired: 8/16/2012 22:26:55 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.966</b>	<b>-3.778</b>	<b>18.97</b>	<b>292.1</b>	<b>2.535</b>	<b>.7661</b>
Stddev	3.577	1.128	.30	.5	.664	.3083
%RSD	90.18	29.85	1.578	.1579	26.21	40.24
#1	7.981	-2.935	18.69	291.6	2.626	.8724
#2	2.796	-5.058	19.29	292.5	1.830	1.007
#3	1.120	-3.340	18.92	292.2	3.150	.4187

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>15.20</b>	<b>8.579</b>	<b>145.9</b>	<b>169.1</b>
Stddev	.30	.076	1.6	29.5
%RSD	1.954	.8891	1.078	17.43
#1	14.87	8.651	146.2	188.5
#2	15.30	8.588	144.2	135.2
#3	15.44	8.499	147.3	183.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2238.1</b>	<b>26367.</b>	<b>2628.6</b>
Stddev	2.7	115.	10.9
%RSD	.12205	.43602	.41545
#1	2238.1	26485.	2616.2
#2	2240.8	26360.	2636.9
#3	2235.3	26255.	2632.7

Sample Name: 460-43408-d-46-i ms@ Acquired: 8/16/2012 22:30:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>49930.</b>	<b>922.2</b>	<b>22.74</b>	<b>1544.</b>	<b>24.83</b>	<b>18390.</b>
Stddev	297.	1.9	.59	6.	.51	130.
%RSD	.5953	.2101	2.575	.3946	2.058	.7070
#1	50270.	924.4	22.29	1541.	25.26	18520.
#2	49750.	920.9	23.40	1551.	24.27	18410.
#3	49760.	921.3	22.53	1540.	24.95	18260.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>38.34</b>	<b>256.6</b>	<b>198.1</b>	<b>275.8</b>	<b>108800.</b>	<b>11150.</b>
Stddev	.37	.1	1.4	4.9	304.	65.
%RSD	.9714	.0347	.7005	1.770	.2791	.5813
#1	38.12	256.6	199.4	277.0	109100.	11210.
#2	38.77	256.6	198.2	279.9	108700.	11080.
#3	38.13	256.7	196.6	270.4	108500.	11160.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15430.</b>	<b>1102.</b>	<b>9509.</b>	<b>381.8</b>	<b>8856.</b>	<b>408.2</b>
Stddev	48.	5.	24.	1.8	20.	4.7
%RSD	.3113	.4944	.2499	.4837	.2270	1.156
#1	15480.	1108.	9536.	380.7	8844.	404.2
#2	15390.	1100.	9492.	383.9	8879.	407.1
#3	15410.	1097.	9500.	380.7	8844.	413.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43408-d-46-i ms@ Acquired: 8/16/2012 22:30:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>869.6</b>	<b>972.1</b>	<b>335.3</b>	<b>2672.</b>	<b>236.7</b>	<b>233.3</b>
Stddev	1.4	4.6	1.8	7.	.3	.5
%RSD	.1555	.4743	.5372	.2515	.1287	.2205
#1	868.3	969.6	337.2	2668.	237.0	233.8
#2	869.7	977.4	333.7	2680.	236.4	233.3
#3	871.0	969.2	335.0	2668.	236.6	232.7

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>542.1</b>	<b>292.3</b>	<b>1163.</b>	<b>1712.</b>
Stddev	2.8	1.9	8.	16.
%RSD	.5140	.6610	.7158	.9458
#1	539.3	294.5	1173.	1726.
#2	544.8	291.4	1158.	1715.
#3	542.1	291.1	1158.	1695.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2225.7</b>	<b>25848.</b>	<b>2656.3</b>
Stddev	3.5	30.	18.3
%RSD	.15567	.11446	.68705
#1	2229.2	25814.	2636.5
#2	2222.3	25870.	2659.9
#3	2225.5	25858.	2672.5

Sample Name:	pds 460-43408-d-46-f	Acquired:	8/16/2012 22:34:04	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>37650.</b>	<b>1845.</b>	<b>44.83</b>	<b>2440.</b>	<b>48.50</b>	<b>25250.</b>
Stddev	242.	7.	.23	5.	.23	65.
%RSD	.6438	.3616	.5022	.2052	.4784	.2557
#1	37900.	1849.	44.91	2441.	48.64	25310.
#2	37640.	1849.	44.58	2445.	48.63	25190.
#3	37410.	1838.	45.00	2435.	48.23	25260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>55.81</b>	<b>490.6</b>	<b>267.9</b>	<b>354.1</b>	<b>65700.</b>	<b>20180.</b>
Stddev	.33	1.4	2.2	10.6	197.	64.
%RSD	.6001	.2936	.8312	3.002	.2990	.3171
#1	56.05	490.3	269.6	354.9	65900.	20230.
#2	55.95	492.2	268.8	343.1	65680.	20110.
#3	55.43	489.3	265.4	364.3	65510.	20200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23420.</b>	<b>1146.</b>	<b>19040.</b>	<b>611.2</b>	<b>2093.</b>	<b>473.3</b>
Stddev	88.	1.	75.	1.7	7.	1.3
%RSD	.3743	.1200	.3928	.2785	.3426	.2829
#1	23500.	1148.	19120.	610.4	2090.	471.8
#2	23440.	1146.	18990.	613.2	2101.	474.3
#3	23330.	1146.	19000.	610.0	2088.	473.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-43408-d-46-f Acquired: 8/16/2012 22:34:04 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1779.	1953.	561.7	1918.	457.0	467.5
Stddev	5.	4.	1.5	7.	.7	1.5
%RSD	.2948	.2079	.2618	.3462	.1429	.3226
#1	1777.	1951.	563.4	1919.	456.5	467.0
#2	1784.	1958.	560.9	1924.	457.8	469.1
#3	1774.	1951.	560.8	1911.	456.8	466.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	548.8	504.6	1222.	985.7
Stddev	2.2	1.7	.	13.0
%RSD	.3933	.3270	.0246	1.318
#1	550.0	506.5	1222.	989.0
#2	550.0	503.7	1222.	971.4
#3	546.3	503.5	1223.	996.7

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2218.5	25735.	2644.1
Stddev	3.1	85.	15.4
%RSD	.14088	.33184	.58357
#1	2218.3	25644.	2626.3
#2	2215.5	25748.	2652.7
#3	2221.8	25813.	2653.3

Sample Name: 460-43279-d-1-e@4 Acquired: 8/16/2012 22:37:31 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>27410.</b>	<b>82.31</b>	<b>-.9089</b>	<b>578.4</b>	<b>2.632</b>	<b>18340.</b>
Stddev	140.	1.93	.4603	3.1	.197	68.
%RSD	.5123	2.348	50.64	.5374	7.494	.3724
#1	27570.	80.53	-.8157	576.1	2.406	18390.
#2	27300.	82.02	-.5023	581.9	2.771	18370.
#3	27360.	84.37	-1.409	577.1	2.718	18270.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.209</b>	<b>32.33</b>	<b>87.10</b>	<b>4627.</b>	<b>166200.</b>	<b>1931.</b>
Stddev	.077	.35	.61	29.	444.	75.
%RSD	1.840	1.092	.6978	.6326	.2673	3.902
#1	4.297	32.37	86.57	4656.	165800.	2017.
#2	4.150	32.67	87.76	4628.	166700.	1877.
#3	4.180	31.96	86.97	4597.	166000.	1899.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8313.</b>	<b>1292.</b>	<b>38.87</b>	<b>78.93</b>	<b>2527.</b>	<b>31.65</b>
Stddev	31.	5.	17.89	.56	9.	4.16
%RSD	.3726	.3662	46.03	.7045	.3497	13.14
#1	8303.	1290.	21.35	79.50	2525.	35.88
#2	8348.	1297.	57.11	78.92	2537.	31.52
#3	8289.	1288.	38.15	78.39	2519.	27.57

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43279-d-1-e@4 Acquired: 8/16/2012 22:37:31 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.712</b>	<b>-2.921</b>	<b>92.81</b>	<b>1990.</b>	<b>16.30</b>	<b>8.474</b>
Stddev	1.263	.411	.24	8.	.73	.543
%RSD	26.81	14.09	.2626	.4110	4.476	6.405
#1	5.795	-3.323	92.64	1992.	16.49	8.892
#2	5.017	-2.940	92.69	1997.	16.92	7.861
#3	3.324	-2.501	93.09	1981.	15.50	8.669

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>208.5</b>	<b>140.2</b>	<b>558.9</b>	<b>1188.</b>
Stddev	1.0	.5	3.7	8.
%RSD	.4845	.3230	.6613	.6984
#1	209.2	140.8	563.1	1195.
#2	209.1	140.1	557.5	1191.
#3	207.4	139.9	556.0	1179.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2331.7</b>	<b>27264.</b>	<b>2777.8</b>
Stddev	3.0	61.	5.7
%RSD	.12792	.22434	.20623
#1	2334.7	27248.	2771.2
#2	2328.7	27212.	2781.8
#3	2331.8	27331.	2780.3

Sample Name: lcssrm 460-124251/2- Acquired: 8/16/2012 22:41:04 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>32500.</b>	<b>753.7</b>	<b>187.1</b>	<b>962.7</b>	<b>508.3</b>	<b>33530.</b>
Stddev	75.	1.2	.8	1.6	.8	11.
%RSD	.2321	.1626	.4062	.1703	.1550	.0335
#1	32580.	752.5	186.2	963.9	508.2	33530.
#2	32500.	755.0	187.6	963.4	509.1	33520.
#3	32430.	753.5	187.3	960.9	507.5	33540.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>490.0</b>	<b>643.1</b>	<b>563.9</b>	<b>560.7</b>	<b>58650.</b>	<b>13000.</b>
Stddev	1.4	1.9	1.7	4.0	87.	55.
%RSD	.2949	.2945	.2944	.7115	.1484	.4200
#1	491.3	644.7	563.5	558.1	58590.	13020.
#2	490.2	643.7	565.7	565.3	58600.	12940.
#3	488.5	641.0	562.4	558.7	58750.	13040.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11650.</b>	<b>1676.</b>	<b>1502.</b>	<b>350.1</b>	<b>371.8</b>	<b>970.8</b>
Stddev	17.	4.	13.	1.3	.5	3.3
%RSD	.1488	.2372	.8604	.3692	.1439	.3391
#1	11650.	1673.	1511.	351.5	371.3	974.2
#2	11640.	1675.	1508.	350.0	371.6	967.7
#3	11670.	1681.	1487.	348.9	372.4	970.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: lcssrm 460-124251/2- Acquired: 8/16/2012 22:41:04 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>575.3</b>	<b>1034.</b>	<b>402.9</b>	<b>1298.</b>	<b>384.4</b>	<b>319.7</b>
Stddev	2.4	6.	.8	3.	1.8	1.0
%RSD	.4244	.5859	.2008	.2129	.4687	.3043
#1	578.1	1041.	403.1	1300.	386.1	320.4
#2	573.6	1033.	403.6	1298.	384.4	318.6
#3	574.2	1029.	402.0	1295.	382.5	320.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>669.0</b>	<b>646.2</b>	<b>827.9</b>	<b>F 1838.</b>
Stddev	3.2	1.1	4.1	35.
%RSD	.4770	.1629	.4957	1.907
#1	670.1	646.4	831.1	1869.
#2	671.5	647.1	829.3	1845.
#3	665.4	645.0	823.2	1800.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				81000.
Low Limit				24200.

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2270.2</b>	<b>26451.</b>	<b>2707.1</b>
Stddev	9.3	55.	7.9
%RSD	.41101	.20863	.29031
#1	2262.0	26438.	2704.8
#2	2268.3	26511.	2700.7
#3	2280.4	26403.	2715.9

Sample Name: CCV Acquired: 8/16/2012 22:44:31 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123900.	2442.	1226.	9816.	978.0	125500.
Stddev	235.	10.	1.	8.	3.5	486.
%RSD	.1893	.3988	.1131	.0772	.3528	.3874

#1	124200.	2436.	1225.	9808.	981.5	125800.
#2	123700.	2436.	1227.	9820.	974.6	124900.
#3	123900.	2453.	1227.	9821.	977.7	125600.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1233.	2457.	4968.	12440.	99710.	49280.
Stddev	1.	2.	7.	16.	237.	202.
%RSD	.1122	.0630	.1488	.1291	.2374	.4093

#1	1233.	2456.	4959.	12450.	99460.	49290.
#2	1233.	2459.	4972.	12420.	99750.	49070.
#3	1235.	2457.	4972.	12440.	99930.	49470.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123700.	5028.	124000.	2475.	7502.	972.3
Stddev	321.	11.	367.	2.	21.	4.4
%RSD	.2594	.2188	.2958	.0613	.2768	.4538

#1	123400.	5019.	124400.	2474.	7483.	972.8
#2	123800.	5026.	123700.	2476.	7499.	976.4
#3	124000.	5040.	124000.	2477.	7524.	967.6

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/16/2012 22:44:31 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2436.	2480.	2460.	2461.	965.2	2431.
Stddev	9.	4.	5.	4.	2.2	6.
%RSD	.3849	.1439	.1896	.1580	.2282	.2426

#1	2433.	2477.	2456.	2457.	962.7	2425.
#2	2429.	2479.	2459.	2460.	966.1	2432.
#3	2447.	2484.	2465.	2465.	966.8	2437.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	985.9	4984.	9885.	9612.
Stddev	2.1	5.	20.	21.
%RSD	.2157	.1031	.2027	.2162

#1	983.8	4989.	9903.	9635.
#2	985.9	4979.	9863.	9596.
#3	988.1	4983.	9889.	9605.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2066.0	23941.	2537.2
Stddev	2.8	53.	8.4
%RSD	.13793	.22120	.32919

#1	2064.1	23915.	2540.6
#2	2069.3	24002.	2543.3
#3	2064.7	23907.	2527.7

Sample Name: CCB Acquired: 8/16/2012 22:47:51 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-5.549</b>	<b>-4.092</b>	<b>.6805</b>	<b>.7746</b>	<b>-.0367</b>	<b>17.61</b>
Stddev	40.41	3.114	1.539	.7719	.2719	23.10
%RSD	728.1	760.8	226.2	99.66	739.9	131.2

#1	37.13	2.166	.6285	1.665	.2685	43.40
#2	-10.56	.4751	-.8320	.3693	-.2529	10.62
#3	-43.22	-3.869	2.245	.2897	-.1259	-1.198

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1005</b>	<b>-.1536</b>	<b>.8771</b>	<b>-3.935</b>	<b>19.31</b>	<b>-7.868</b>
Stddev	.1521	.3096	.7833	1.687	4.56	77.98
%RSD	151.3	201.6	89.30	42.86	23.62	991.1

#1	.2754	.2000	1.660	-2.148	24.17	-11.01
#2	.0276	-.2844	.8779	-5.499	18.65	71.64
#3	-.0013	-.3764	.0934	-4.159	15.12	-84.23

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13.65</b>	<b>.5534</b>	<b>24.65</b>	<b>.0040</b>	<b>1.024</b>	<b>.0315</b>
Stddev	15.70	.6463	37.44	.2737	1.942	.8145
%RSD	115.0	116.8	151.9	6821.	189.7	2585.

#1	31.56	1.297	65.85	.1225	3.152	.0205
#2	7.131	.2359	15.41	.1985	-.6540	.8515
#3	2.264	.1273	-7.299	-.3089	.5747	-.7774

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 22:47:51 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.099</b>	<b>-.1639</b>	<b>.5471</b>	<b>.5044</b>	<b>2.212</b>	<b>3.597</b>
Stddev	3.304	1.816	.4948	.3122	1.203	1.924
%RSD	157.4	1108.	90.44	61.90	54.37	53.49
#1	3.060	-2.170	.9380	.7501	3.558	5.767
#2	-1.578	.3087	.7126	.6102	1.244	2.922
#3	4.816	1.370	-.0093	.1531	1.833	2.101

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.7521</b>	<b>.9053</b>	<b>2.662</b>	<b>-6.149</b>
Stddev	.3198	.9231	1.914	9.678
%RSD	42.53	102.0	71.91	157.4
#1	.7973	1.962	3.580	-17.30
#2	.4120	.5010	3.944	.0346
#3	1.047	.2533	.4615	-1.179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2213.1</b>	<b>25986.</b>	<b>2597.4</b>
Stddev	5.6	180.	12.9
%RSD	.25139	.69174	.49544
#1	2216.2	26189.	2599.6
#2	2216.4	25847.	2609.0
#3	2206.7	25923.	2583.6

Sample Name: mb 460-124251/1-a@2 Acquired: 8/16/2012 22:51:38 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-2.107</b>	<b>-1.001</b>	<b>-.7490</b>	<b>.0400</b>	<b>-.1302</b>	<b>31.06</b>
Stddev	17.75	.649	1.126	.1244	.3825	22.27
%RSD	842.5	64.85	150.4	311.0	293.8	71.72
#1	5.392	-1.690	.5357	.1754	-.0182	56.77
#2	-22.38	-.4010	-1.217	-.0692	-.5562	18.32
#3	10.66	-.9120	-1.566	.0137	.1838	18.08

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0980</b>	<b>-.8169</b>	<b>.7788</b>	<b>-.9337</b>	<b>3.674</b>	<b>8.926</b>
Stddev	.0349	.0858	.0095	3.128	6.427	25.82
%RSD	35.57	10.50	1.223	33.50	174.9	289.2
#1	.0727	-.7218	.7679	-8.020	10.21	38.35
#2	.0836	-.8405	.7831	-12.91	3.455	-1.615
#3	.1378	-.8883	.7855	-7.083	-2.640	-9.952

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.291</b>	<b>-.0576</b>	<b>-25.29</b>	<b>-.6558</b>	<b>-1.929</b>	<b>3.906</b>
Stddev	1.255	.0539	26.82	.4587	.282	1.159
%RSD	97.19	93.64	106.0	69.94	14.63	29.67
#1	-2.727	-.0008	-5.640	-.7443	-1.962	3.626
#2	-.3988	-.0639	-14.40	-1.064	-1.632	2.913
#3	-.7489	-.1080	-55.84	-.1593	-2.193	5.180

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-124251/1-a@2 Acquired: 8/16/2012 22:51:38 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.138</b>	<b>-2.051</b>	<b>.0827</b>	<b>.4400</b>	<b>5.492</b>	<b>.8389</b>
Stddev	1.842	2.885	.3332	.0878	1.453	.4056
%RSD	86.15	140.7	403.0	19.96	26.45	48.34
#1	2.544	-5.377	-.1747	.4719	6.462	1.300
#2	3.742	-.5561	.4590	.3407	6.192	.5396
#3	.1268	-.2201	-.0363	.5074	3.822	.6767

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.5835</b>	<b>.3405</b>	<b>.9037</b>	<b>22.51</b>
Stddev	.1180	.2393	.5211	16.19
%RSD	20.22	70.28	57.66	71.89
#1	.6044	.3851	1.267	40.02
#2	.6896	.5544	.3067	19.43
#3	.4565	.0821	1.138	8.090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2145.5</b>	<b>25509.</b>	<b>2537.2</b>
Stddev	5.0	164.	6.8
%RSD	.23382	.64454	.26667
#1	2139.8	25329.	2531.1
#2	2149.3	25651.	2544.5
#3	2147.3	25548.	2535.8

Sample Name: 460-43228-a-4-e@4 Acquired: 8/16/2012 22:55:23 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9863.	16.80	-1.158	43.56	.3393	1712.
Stddev	5.	1.37	.110	.10	.1559	24.
%RSD	.0492	8.156	9.502	.2263	45.94	1.416
#1	9858.	18.26	-1.032	43.51	.3804	1702.
#2	9868.	15.55	-1.205	43.51	.4705	1740.
#3	9864.	16.59	-1.236	43.68	.1670	1695.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.0462	4.301	33.63	22.33	23620.	1077.
Stddev	.0808	.050	.31	3.11	91.	51.
%RSD	174.8	1.169	.9144	13.92	.3872	4.737
#1	.0291	4.244	33.30	22.35	23520.	1131.
#2	-.0362	4.336	33.70	25.43	23680.	1029.
#3	-.1316	4.324	33.90	19.22	23660.	1069.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1055.	127.1	530.2	9.512	106.0	1.811
Stddev	4.	.5	10.3	.200	1.4	2.650
%RSD	.3947	.3777	1.947	2.103	1.331	146.4
#1	1060.	126.8	532.3	9.742	107.5	4.852
#2	1052.	127.7	539.2	9.420	104.7	-.0087
#3	1054.	127.0	518.9	9.375	105.6	.5896

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43228-a-4-e@4 Acquired: 8/16/2012 22:55:23 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.896</b>	<b>-6.168</b>	<b>76.45</b>	<b>40.12</b>	<b>6.834</b>	<b>17.74</b>
Stddev	.584	1.270	1.03	.36	.048	.09
%RSD	15.00	205.9	1.345	.8887	.7033	.5063
#1	3.271	-8541	76.37	40.47	6.786	17.79
#2	3.988	.7550	77.52	40.13	6.834	17.79
#3	4.428	-1.751	75.47	39.76	6.882	17.64

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>7.019</b>	<b>14.57</b>	<b>187.2</b>	<b>673.2</b>
Stddev	.673	.09	.2	14.6
%RSD	9.593	.6494	.0983	2.174
#1	7.017	14.67	187.2	688.6
#2	6.346	14.50	187.3	671.6
#3	7.693	14.53	187.0	659.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2294.5</b>	<b>27132.</b>	<b>2714.6</b>
Stddev	5.3	67.	3.9
%RSD	.23019	.24756	.14354
#1	2289.3	27210.	2716.8
#2	2294.5	27093.	2716.9
#3	2299.8	27094.	2710.1

Sample Name:	460-43228-d-5-d@4	Acquired:	8/16/2012 22:59:04	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21270.</b>	<b>F -146.0</b>	<b>10.39</b>	<b>421.3</b>	<b>.4581</b>	<b>3224.</b>
Stddev	15.	1.7	1.38	1.1	.0611	5.
%RSD	.0689	1.185	13.31	.2621	13.35	.1678
#1	21260.	-145.2	8.791	420.7	.5282	3227.
#2	21290.	-144.8	11.13	422.6	.4309	3228.
#3	21260.	-148.0	11.24	420.7	.4154	3218.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5000.				
Low Limit		-10.00				
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11.67</b>	<b>128.5</b>	<b>F 36160.</b>	<b>5505.</b>	<b>F 266700.</b>	<b>124.2</b>
Stddev	.23	.3	25.	5.	204.	69.2
%RSD	1.983	.2150	.0695	.0916	.0764	55.73
#1	11.45	128.3	36130.	5504.	266500.	124.2
#2	11.91	128.5	36160.	5511.	266900.	193.4
#3	11.67	128.8	36180.	5502.	266700.	54.97
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			10000.		200000.	
Low Limit			-20.00		-150.0	
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2649.</b>	<b>1819.</b>	<b>-150.9</b>	<b>F 10530.</b>	<b>2229.</b>	<b>322.6</b>
Stddev	8.	2.	3.0	16.	4.	.7
%RSD	.2832	.1176	1.997	.1550	.1958	.2288
#1	2641.	1817.	-147.7	10520.	2225.	322.0
#2	2655.	1819.	-153.7	10550.	2229.	323.4
#3	2652.	1821.	-151.1	10520.	2233.	322.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			5000.			
Low Limit			-50.00			

Sample Name: 460-43228-d-5-d@4 Acquired: 8/16/2012 22:59:04 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>F -12.42</b>	<b>22.30</b>	<b>557.7</b>	<b>2066.</b>	<b>8.033</b>	<b>420.5</b>
Stddev	3.62	3.46	1.9	3.	.740	1.0
%RSD	29.11	15.51	.3332	.1295	9.211	.2452
#1	-9.591	18.54	558.2	2067.	7.432	419.5
#2	-16.50	22.99	555.7	2069.	8.859	420.3
#3	-11.18	25.35	559.3	2064.	7.808	421.5
Check ?	Chk Fail	Chk Pass				
High Limit	5000.					
Low Limit	-10.00					

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>89.12</b>	<b>102.3</b>	<b>6449.</b>	<b>1280.</b>
Stddev	.91	.3	8.	9.
%RSD	1.026	.3344	.1176	.7029
#1	89.36	101.9	6444.	1278.
#2	89.89	102.6	6458.	1272.
#3	88.11	102.3	6445.	1289.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>1999.0</b>	<b>26197.</b>	<b>2717.0</b>
Stddev	5.8	79.	13.0
%RSD	.28899	.30269	.47966
#1	1993.1	26126.	2731.8
#2	1999.2	26181.	2711.9
#3	2004.6	26282.	2707.3

Sample Name: 460-43384-e-1-m@4 Acquired: 8/16/2012 23:02:33 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14480.	7.873	-2.757	407.2	.6555	43600.
Stddev	38.	1.091	.3972	.6	.0331	141.
%RSD	.2652	13.85	144.0	.1414	5.046	.3233
#1	14440.	6.747	-6.012	407.4	.6549	43440.
#2	14510.	7.946	-3.929	407.6	.6228	43660.
#3	14490.	8.925	.1668	406.5	.6889	43710.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6539	12.29	35.56	48.21	29460.	4589.
Stddev	.0202	.44	2.73	5.07	51.	65.
%RSD	3.092	3.561	7.689	10.52	.1724	1.422
#1	.6736	12.76	38.65	49.48	29440.	4632.
#2	.6332	12.21	34.54	42.63	29510.	4514.
#3	.6550	11.90	33.48	52.53	29420.	4622.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9230.	925.0	994.0	30.42	477.8	-2177
Stddev	9.	2.3	28.8	.31	2.8	3.094
%RSD	.0999	.2481	2.894	1.006	.5764	1421.
#1	9220.	923.1	976.0	30.76	479.4	2.589
#2	9238.	927.6	978.9	30.32	479.5	-3.536
#3	9232.	924.4	1027.	30.17	474.7	.2937

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43384-e-1-m@4 Acquired: 8/16/2012 23:02:33 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-1.136</b>	<b>-2.322</b>	<b>54.43</b>	<b>280.2</b>	<b>12.40</b>	<b>.5461</b>
Stddev	7.299	1.983	.91	.8	1.00	.2067
%RSD	642.5	85.40	1.670	.2843	8.079	37.84
#1	-5.797	-3.525	54.85	280.8	11.25	.7816
#2	-4.887	-3.409	53.39	280.4	13.07	.3952
#3	7.276	-.0333	55.05	279.3	12.88	.4614

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>5.000</b>	<b>221.0</b>	<b>977.4</b>	<b>710.0</b>
Stddev	.748	.7	2.7	10.7
%RSD	14.95	.3195	.2745	1.507
#1	5.785	220.2	976.2	701.8
#2	4.919	221.6	980.5	722.1
#3	4.296	221.3	975.5	706.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2235.8</b>	<b>26143.</b>	<b>2678.4</b>
Stddev	2.3	29.	5.6
%RSD	.10259	.11008	.20744
#1	2235.3	26176.	2684.8
#2	2238.3	26124.	2675.7
#3	2233.8	26130.	2674.8

Sample Name: 460-43177-a-5-a@4 Acquired: 8/16/2012 23:06:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	F 348600.	200.0	-4.869	341.5	7.843	4002.
Stddev	876.	2.6	1.310	.6	.056	24.
%RSD	.2513	1.306	26.91	.1879	.7098	.6092

#1	347600.	202.1	-3.895	342.2	7.883	3976.
#2	349200.	200.8	-4.352	341.4	7.867	4024.
#3	349100.	197.1	-6.359	340.9	7.780	4005.

Check ?	Chk Fail	Chk Pass				
High Limit	250000.					
Low Limit	-200.0					

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.8461	111.4	149.0	165.1	192900.	2724.
Stddev	.0261	.5	.3	5.0	302.	63.
%RSD	3.082	.4409	.2124	3.013	.1566	2.300

#1	-.8696	112.0	149.1	159.6	193100.	2752.
#2	-.8180	111.2	149.1	169.2	193100.	2767.
#3	-.8505	111.1	148.6	166.7	192600.	2652.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3453.	2317.	16050.	168.3	63.11	-3.129
Stddev	6.	4.	59.	.9	1.67	2.894
%RSD	.1777	.1887	.3683	.5611	2.644	92.49

#1	3459.	2320.	16000.	169.3	64.52	-3.292
#2	3454.	2318.	16040.	168.3	61.27	-.1570
#3	3447.	2312.	16120.	167.4	63.55	-5.939

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43177-a-5-a@4 Acquired: 8/16/2012 23:06:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.787</b>	<b>-11.51</b>	<b>310.7</b>	<b>282.6</b>	<b>28.64</b>	<b>10.95</b>
Stddev	.590	1.34	.5	1.6	1.05	.26
%RSD	8.694	11.66	.1605	.5676	3.667	2.394
#1	6.161	-12.72	310.1	284.1	28.78	11.25
#2	6.865	-10.07	310.9	282.9	27.52	10.81
#3	7.334	-11.75	311.1	280.9	29.60	10.78

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>12.99</b>	<b>89.38</b>	<b>260.7</b>	<b>1199.</b>
Stddev	1.65	.30	1.5	17.
%RSD	12.72	.3349	.5794	1.450
#1	13.16	89.30	259.0	1200.
#2	14.55	89.72	260.9	1181.
#3	11.26	89.13	262.0	1216.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2255.2</b>	<b>25391.</b>	<b>2664.7</b>
Stddev	3.4	21.	7.0
%RSD	.14983	.08153	.26185
#1	2252.2	25370.	2671.7
#2	2258.9	25411.	2664.8
#3	2254.7	25394.	2657.7

Sample Name: 460-43518-e-1-b@4 Acquired: 8/16/2012 23:09:43 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>29150.</b>	<b>19.15</b>	<b>-.8844</b>	<b>91.21</b>	<b>.6202</b>	<b>9385.</b>
Stddev	153.	.82	.4219	.31	.1284	61.
%RSD	.5252	4.282	47.70	.3384	20.70	.6451
#1	29320.	20.01	-1.209	91.40	.6801	9450.
#2	29020.	18.37	-1.037	91.38	.7077	9331.
#3	29100.	19.06	-.4075	90.86	.4728	9373.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0211</b>	<b>9.860</b>	<b>92.15</b>	<b>17.51</b>	<b>33270.</b>	<b>6854.</b>
Stddev	.1235	.605	.52	.97	96.	17.
%RSD	586.0	6.132	.5650	5.563	.2886	.2517
#1	-.0266	9.592	91.55	16.61	33260.	6836.
#2	-.0715	10.55	92.39	17.37	33370.	6870.
#3	.1613	9.436	92.50	18.54	33180.	6855.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9840.</b>	<b>263.8</b>	<b>1268.</b>	<b>35.13</b>	<b>56.56</b>	<b>1.290</b>
Stddev	24.	.4	14.	.50	1.33	2.331
%RSD	.2406	.1607	1.091	1.424	2.358	180.6
#1	9815.	263.6	1276.	35.70	55.63	-1.354
#2	9862.	264.3	1252.	34.93	58.09	3.047
#3	9844.	263.6	1277.	34.76	55.95	2.177

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43518-e-1-b@4 Acquired: 8/16/2012 23:09:43 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.5933	-4.684	120.9	91.33	57.63	15.31
Stddev	2.791	3.451	.4	.28	.85	.23
%RSD	470.4	73.69	.2986	.3088	1.480	1.527
#1	-2.527	-4.860	121.2	91.52	57.84	15.30
#2	2.852	-1.148	120.8	91.45	58.36	15.09
#3	1.455	-8.044	120.5	91.00	56.69	15.55

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.623	90.36	1588.	1380.
Stddev	.669	.23	10.	7.
%RSD	25.50	.2598	.6069	.5328
#1	2.733	90.61	1599.	1387.
#2	3.230	90.32	1582.	1380.
#3	1.906	90.15	1582.	1372.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2273.7	26685.	2721.1
Stddev	3.0	44.	19.1
%RSD	.13037	.16572	.70351
#1	2270.3	26655.	2701.8
#2	2275.3	26735.	2740.1
#3	2275.6	26664.	2721.4

Sample Name: 460-43518-e-2-b@4 Acquired: 8/16/2012 23:13:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23850.</b>	<b>16.89</b>	<b>-.3373</b>	<b>59.32</b>	<b>1.116</b>	<b>11850.</b>
Stddev	23.	1.69	.0316	.14	.120	46.
%RSD	.0971	9.981	9.370	.2415	10.73	.3890
#1	23850.	18.37	-.3117	59.47	1.230	11880.
#2	23870.	15.06	-.3726	59.31	1.127	11800.
#3	23830.	17.24	-.3277	59.19	.9912	11870.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0073</b>	<b>10.34</b>	<b>65.88</b>	<b>7.057</b>	<b>49800.</b>	<b>5418.</b>
Stddev	.0595	.38	.36	6.194	58.	97.
%RSD	811.2	3.662	.5524	87.78	.1173	1.795
#1	.0566	10.07	65.76	9.645	49740.	5354.
#2	-.0612	10.77	65.58	-.0121	49850.	5369.
#3	-.0173	10.17	66.28	11.54	49810.	5530.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11440.</b>	<b>278.7</b>	<b>1827.</b>	<b>33.88</b>	<b>16.52</b>	<b>-.4514</b>
Stddev	32.	.4	27.	.66	1.95	.3662
%RSD	.2785	.1390	1.488	1.937	11.80	81.11
#1	11400.	278.7	1810.	34.02	18.25	-.8677
#2	11470.	279.1	1812.	34.45	14.41	-.1791
#3	11450.	278.4	1858.	33.16	16.90	-.3075

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43518-e-2-b@4 Acquired: 8/16/2012 23:13:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.853</b>	<b>-3.170</b>	<b>107.9</b>	<b>65.93</b>	<b>239.7</b>	<b>23.93</b>
Stddev	1.402	.667	1.1	.48	1.5	.33
%RSD	49.13	21.03	.9986	.7208	.6086	1.390
#1	1.297	-3.518	108.1	66.11	241.4	23.58
#2	3.245	-2.401	108.8	65.39	239.0	24.24
#3	4.018	-3.591	106.7	66.29	238.7	23.97

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.471</b>	<b>119.6</b>	<b>1139.</b>	<b>1258.</b>
Stddev	1.836	.3	1.	14.
%RSD	124.8	.2577	.1142	1.080
#1	3.065	119.8	1138.	1272.
#2	1.885	119.8	1138.	1245.
#3	-.5364	119.2	1140.	1257.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2277.3</b>	<b>26691.</b>	<b>2740.4</b>
Stddev	5.3	105.	5.5
%RSD	.23389	.39194	.20107
#1	2276.5	26753.	2744.8
#2	2283.0	26750.	2742.3
#3	2272.4	26570.	2734.2

Sample Name: 460-43518-e-5-b@4 Acquired: 8/16/2012 23:17:00 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	24590.	25.30	-6194	296.3	1.141	30150.
Stddev	324.	2.12	.4855	2.8	.241	535.
%RSD	1.317	8.378	78.37	.9558	21.11	1.773
#1	24230.	25.22	-8049	298.3	.8798	29540.
#2	24870.	27.46	-9848	297.6	1.188	30530.
#3	24670.	23.22	-0686	293.1	1.354	30380.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.6042	6.628	42.25	107.3	64580.	1385.
Stddev	.1565	.499	.19	3.9	754.	15.
%RSD	25.90	7.521	.4601	3.604	1.168	1.069
#1	.6843	6.517	42.48	102.9	64380.	1401.
#2	.7044	6.195	42.15	110.2	65410.	1382.
#3	.4239	7.173	42.13	108.7	63950.	1372.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5176.	1312.	747.1	28.55	676.1	3.914
Stddev	54.	13.	15.0	.42	5.5	3.220
%RSD	1.052	1.026	2.006	1.473	.8079	82.27
#1	5184.	1308.	729.8	28.67	679.3	2.670
#2	5226.	1327.	755.0	28.89	679.2	1.502
#3	5118.	1302.	756.5	28.08	669.8	7.571

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43518-e-5-b@4 Acquired: 8/16/2012 23:17:00 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>8.922</b>	<b>-3.090</b>	<b>52.83</b>	<b>213.3</b>	<b>18.56</b>	<b>2.337</b>
Stddev	2.492	3.037	.57	1.6	.54	.200
%RSD	27.93	98.28	1.080	.7485	2.900	8.549
#1	6.052	-4.836	52.44	214.2	18.92	2.567
#2	10.53	-4.849	53.48	214.3	17.94	2.203
#3	10.18	.4165	52.56	211.5	18.81	2.242

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>30.48</b>	<b>106.2</b>	<b>1412.</b>	<b>988.4</b>
Stddev	1.64	1.2	19.	41.4
%RSD	5.386	1.160	1.324	4.185
#1	31.60	104.8	1394.	1017.
#2	31.26	107.1	1431.	1008.
#3	28.60	106.7	1412.	941.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2235.2</b>	<b>26231.</b>	<b>2684.8</b>
Stddev	7.0	114.	27.8
%RSD	.31316	.43543	1.0357
#1	2233.1	26231.	2715.7
#2	2229.4	26117.	2676.8
#3	2243.0	26345.	2661.9

Sample Name:	460-43518-e-6-b@4	Acquired:	8/16/2012 23:20:37	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4139.</b>	<b>2.964</b>	<b>-1.003</b>	<b>12.67</b>	<b>-.1255</b>	<b>444.1</b>
Stddev	49.	1.862	1.175	.14	.1497	8.5
%RSD	1.175	62.81	117.1	1.088	119.2	1.916
#1	4120.	1.409	-.3666	12.63	-.2955	438.9
#2	4103.	5.027	-.2843	12.83	-.0135	439.6
#3	4194.	2.455	-2.359	12.57	-.0676	454.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0825</b>	<b>-.1800</b>	<b>9.095</b>	<b>-4.549</b>	<b>7478.</b>	<b>298.9</b>
Stddev	.0668	.1966	.177	3.396	15.	35.3
%RSD	81.04	109.2	1.948	74.66	.2054	11.81
#1	-.0347	-.1930	9.288	-2.137	7483.	330.1
#2	-.0539	.0228	9.057	-3.077	7460.	306.0
#3	-.1589	-.3698	8.940	-8.433	7489.	260.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>268.6</b>	<b>12.14</b>	<b>1.899</b>	<b>2.560</b>	<b>38.60</b>	<b>1.279</b>
Stddev	4.5	.12	19.26	.231	.31	2.293
%RSD	1.661	1.022	1014.	9.033	.7997	179.2
#1	264.1	12.28	-18.41	2.302	38.74	.8215
#2	268.6	12.12	19.91	2.630	38.24	-.7502
#3	273.0	12.03	4.193	2.749	38.81	3.766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43518-e-6-b@4 Acquired: 8/16/2012 23:20:37 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.081</b>	<b>-1.125</b>	<b>9.818</b>	<b>9.608</b>	<b>4.622</b>	<b>.5613</b>
Stddev	3.649	1.443	.416	.341	.065	.1758
%RSD	89.42	128.3	4.237	3.545	1.414	31.32
#1	8.291	-0.0564	9.504	9.625	4.602	.7620
#2	2.143	-0.5519	9.660	9.940	4.695	.4341
#3	1.810	-2.766	10.29	9.260	4.569	.4880

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.362</b>	<b>6.234</b>	<b>114.4</b>	<b>522.1</b>
Stddev	.474	.143	.1	25.3
%RSD	34.78	2.297	.1218	4.847
#1	.8177	6.104	114.4	550.5
#2	1.682	6.210	114.3	501.9
#3	1.586	6.387	114.6	513.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2220.8</b>	<b>26236.</b>	<b>2609.7</b>
Stddev	5.7	81.	9.4
%RSD	.25477	.31019	.36087
#1	2215.0	26321.	2603.7
#2	2226.3	26229.	2620.5
#3	2221.2	26159.	2604.8

Sample Name: 460-43509-a-1-e@4 Acquired: 8/16/2012 23:24:20 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19220.	33.75	4.742	558.1	1.589	25990.
Stddev	36.	2.67	.615	1.9	.141	88.
%RSD	.1886	7.915	12.97	.3397	8.903	.3367
#1	19180.	32.54	4.728	559.7	1.436	25990.
#2	19230.	31.90	4.134	558.6	1.716	26080.
#3	19250.	36.82	5.364	556.0	1.614	25900.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.65	27.80	155.2	1637.	105200.	1986.
Stddev	.21	.65	.7	5.	255.	33.
%RSD	1.411	2.354	.4286	.3101	.2420	1.686
#1	14.60	28.03	154.6	1636.	105000.	1982.
#2	14.88	28.32	155.9	1642.	105500.	2022.
#3	14.47	27.07	155.1	1632.	105200.	1955.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13260.	1299.	333.2	170.5	5447.	2.596
Stddev	29.	3.	3.5	.6	14.	.769
%RSD	.2200	.2661	1.040	.3589	.2609	29.62
#1	13230.	1297.	336.3	170.5	5448.	3.390
#2	13280.	1303.	333.9	171.0	5460.	1.855
#3	13280.	1297.	329.5	169.8	5432.	2.542

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43509-a-1-e@4 Acquired: 8/16/2012 23:24:20 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.460</b>	<b>-2.723</b>	<b>212.2</b>	<b>1759.</b>	<b>13.44</b>	<b>14.50</b>
Stddev	.908	1.565	.2	6.	.50	.28
%RSD	16.63	57.48	.0869	.3537	3.697	1.939
#1	4.415	-4.078	212.1	1763.	13.84	14.28
#2	6.060	-1.010	212.4	1762.	13.59	14.82
#3	5.904	-3.082	212.1	1752.	12.88	14.41

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>231.0</b>	<b>158.6</b>	<b>947.0</b>	<b>723.6</b>
Stddev	2.7	.1	7.3	14.5
%RSD	1.185	.0601	.7655	2.008
#1	234.2	158.5	944.6	730.5
#2	229.3	158.6	955.2	706.9
#3	229.7	158.6	941.4	733.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2252.6</b>	<b>26320.</b>	<b>2703.9</b>
Stddev	5.2	37.	7.8
%RSD	.22950	.14000	.28852
#1	2246.6	26302.	2699.2
#2	2255.5	26296.	2699.5
#3	2255.5	26362.	2712.9

Sample Name: CCV Acquired: 8/16/2012 23:27:55 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122900.	2446.	1226.	9818.	973.7	123700.
Stddev	764.	5.	6.	7.	10.6	750.
%RSD	.6211	.1934	.4781	.0745	1.092	.6060

#1	122100.	2449.	1219.	9826.	961.8	122900.
#2	123500.	2448.	1230.	9818.	982.2	123900.
#3	123300.	2440.	1229.	9811.	977.1	124300.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1236.	2460.	4971.	12240.	99730.	48680.
Stddev	1.	2.	22.	86.	424.	283.
%RSD	.0942	.0763	.4331	.7040	.4253	.5802

#1	1237.	2459.	4946.	12160.	99240.	48360.
#2	1236.	2463.	4985.	12220.	99980.	48770.
#3	1235.	2459.	4981.	12330.	99970.	48900.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	124100.	5002.	122700.	2480.	7508.	974.3
Stddev	531.	22.	778.	3.	6.	3.5
%RSD	.4278	.4393	.6342	.1183	.0801	.3555

#1	123600.	4980.	121800.	2481.	7508.	971.4
#2	124600.	5002.	123200.	2483.	7513.	978.1
#3	124200.	5024.	123200.	2477.	7501.	973.4

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/16/2012 23:27:55 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2448.	2495.	2460.	2467.	967.5	2434.
Stddev	7.	2.	6.	2.	1.4	4.
%RSD	.2822	.0728	.2478	.0683	.1491	.1483

#1	2445.	2495.	2454.	2465.	969.1	2430.
#2	2455.	2493.	2465.	2468.	966.8	2435.
#3	2442.	2497.	2463.	2466.	966.5	2437.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	983.0	4919.	9799.	9576.
Stddev	3.0	36.	81.	43.
%RSD	.3010	.7298	.8292	.4451

#1	980.5	4879.	9708.	9578.
#2	986.3	4946.	9863.	9618.
#3	982.2	4934.	9826.	9533.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2072.8	24024.	2564.4
Stddev	4.5	108.	17.6
%RSD	.21780	.44896	.68476

#1	2075.5	24140.	2584.4
#2	2075.2	23926.	2557.4
#3	2067.5	24006.	2551.4

Sample Name: CCB Acquired: 8/16/2012 23:31:16 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2766	-.1082	-.3286	.5155	-.0468	1.526
Stddev	24.78	1.617	.7475	.4071	.0564	13.29
%RSD	8960.	1495.	227.5	78.97	120.3	870.7
#1	24.86	-1.033	.3641	.9442	-.0456	13.63
#2	-24.69	-1.051	-.2290	.4679	-.1038	3.642
#3	.6582	1.759	-1.121	.1342	.0089	-12.69

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1646	-.3294	1.656	-.5.800	14.60	-9.541
Stddev	.1188	.3153	.474	.941	12.43	47.51
%RSD	72.21	95.71	28.62	16.23	85.13	497.9
#1	.2574	-.5145	1.821	-5.250	22.67	-61.93
#2	.0306	.0346	2.026	-6.887	20.83	30.75
#3	.2056	-.5083	1.122	-5.264	.2873	2.557

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.57	.3997	-.3.808	-.3912	-.6355	3.179
Stddev	12.73	.3607	14.66	.5674	1.691	.771
%RSD	120.4	90.26	384.9	145.1	266.1	24.24
#1	24.35	.8056	12.95	-1.044	.5928	2.951
#2	8.136	.2772	-10.12	-.0206	.0653	2.548
#3	-.7622	.1161	-14.26	-.1085	-2.565	4.038

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/16/2012 23:31:16 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.298</b>	<b>.5230</b>	<b>.2969</b>	<b>.2935</b>	<b>2.338</b>	<b>3.480</b>
Stddev	4.137	.9260	.7148	.1600	1.138	1.808
%RSD	180.1	177.1	240.8	54.51	48.66	51.95

#1	3.991	1.590	1.044	.4624	3.271	5.409
#2	5.319	.0515	-.3807	.2739	2.671	3.209
#3	-2.418	-.0724	.2274	.1442	1.071	1.823

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.4305</b>	<b>.5780</b>	<b>.8232</b>	<b>-4.011</b>
Stddev	1.644	.6733	2.512	20.98
%RSD	381.9	116.5	305.1	523.1

#1	-.2916	1.310	2.469	19.39
#2	2.312	.4379	-2.068	-10.29
#3	-.7286	-.0142	2.068	-21.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2210.1</b>	<b>26018.</b>	<b>2597.5</b>
Stddev	4.1	96.	10.8
%RSD	.18507	.36853	.41516

#1	2213.2	26115.	2598.6
#2	2205.5	25923.	2586.2
#3	2211.6	26015.	2607.6

Sample Name:	460-43509-a-2-c@4	Acquired:	8/16/2012 23:35:03	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23090.</b>	<b>37.61</b>	<b>2.909</b>	<b>610.8</b>	<b>2.026</b>	<b>58220.</b>
Stddev	194.	1.95	.877	2.3	.099	499.
%RSD	.8392	5.174	30.13	.3754	4.898	.8564
#1	23310.	38.03	3.472	612.8	2.138	58770.
#2	23020.	39.30	1.899	611.3	1.948	58110.
#3	22950.	35.48	3.357	608.3	1.992	57790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.46</b>	<b>36.54</b>	<b>107.6</b>	<b>1462.</b>	<b>78950.</b>	<b>2431.</b>
Stddev	.11	.51	.6	5.	248.	84.
%RSD	.8983	1.386	.5793	.3488	.3136	3.467
#1	12.43	36.90	108.3	1467.	78840.	2499.
#2	12.36	36.76	107.5	1461.	79240.	2337.
#3	12.58	35.96	107.0	1457.	78780.	2457.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20100.</b>	<b>1029.</b>	<b>416.7</b>	<b>178.0</b>	<b>5304.</b>	<b>1.998</b>
Stddev	32.	2.	23.7	.4	3.	1.193
%RSD	.1578	.2334	5.687	.2028	.0635	59.69
#1	20090.	1026.	413.3	178.2	5307.	3.375
#2	20130.	1031.	441.9	177.6	5301.	1.337
#3	20070.	1029.	394.9	178.1	5304.	1.282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43509-a-2-c@4 Acquired: 8/16/2012 23:35:03 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.525</b>	<b>-2.894</b>	<b>378.5</b>	<b>1768.</b>	<b>14.98</b>	<b>9.064</b>
Stddev	4.450	1.435	.8	3.	.26	.156
%RSD	98.34	49.61	.2021	.1596	1.731	1.721
#1	-.1250	-1.792	378.2	1771.	14.72	9.227
#2	4.957	-4.517	379.3	1765.	15.24	9.050
#3	8.744	-2.372	377.9	1767.	14.99	8.916

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>127.2</b>	<b>168.9</b>	<b>1019.</b>	<b>877.9</b>
Stddev	1.9	1.2	7.	15.6
%RSD	1.508	.6861	.6985	1.781
#1	127.4	169.9	1027.	887.5
#2	129.0	169.0	1018.	886.4
#3	125.2	167.6	1013.	859.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2238.4</b>	<b>26068.</b>	<b>2689.6</b>
Stddev	4.7	54.	9.4
%RSD	.21195	.20604	.35052
#1	2243.5	26028.	2679.3
#2	2237.7	26047.	2691.9
#3	2234.1	26129.	2697.7

Sample Name: 460-43509-a-3-c@4 Acquired: 8/16/2012 23:38:37 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>24610.</b>	<b>34.86</b>	<b>4.923</b>	<b>747.9</b>	<b>1.972</b>	<b>32320.</b>
Stddev	39.	1.86	.873	.3	.095	118.
%RSD	.1580	5.341	17.73	.0339	4.811	.3640
#1	24620.	32.78	5.489	748.2	1.869	32450.
#2	24640.	35.43	3.918	747.9	1.992	32280.
#3	24570.	36.37	5.362	747.7	2.056	32220.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20.46</b>	<b>34.31</b>	<b>122.0</b>	<b>794.5</b>	<b>92310.</b>	<b>3483.</b>
Stddev	.15	.49	.5	2.3	76.	19.
%RSD	.7091	1.414	.4281	.2950	.0822	.5441
#1	20.35	33.94	122.4	796.9	92220.	3462.
#2	20.63	34.86	121.4	792.2	92350.	3499.
#3	20.41	34.13	122.1	794.4	92360.	3488.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15290.</b>	<b>1109.</b>	<b>451.3</b>	<b>144.5</b>	<b>4445.</b>	<b>2.878</b>
Stddev	27.	2.	12.9	1.3	12.	.398
%RSD	.1784	.1573	2.868	.8899	.2728	13.84
#1	15260.	1108.	453.2	144.5	4438.	2.452
#2	15300.	1111.	437.5	145.8	4459.	3.241
#3	15310.	1109.	463.2	143.2	4439.	2.940

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43509-a-3-c@4 Acquired: 8/16/2012 23:38:37 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.640</b>	<b>-3.243</b>	<b>304.4</b>	<b>1444.</b>	<b>14.08</b>	<b>8.043</b>
Stddev	.839	2.082	1.2	5.	.59	.132
%RSD	14.88	64.20	.4101	.3383	4.180	1.640
#1	5.389	-3.935	305.3	1446.	14.60	8.143
#2	6.576	-4.891	304.9	1448.	13.44	8.092
#3	4.956	-.9032	303.0	1439.	14.19	7.894

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>100.7</b>	<b>151.7</b>	<b>1291.</b>	<b>942.3</b>
Stddev	1.0	.2	5.	17.7
%RSD	1.012	.1138	.4117	1.875
#1	99.71	151.6	1288.	930.9
#2	101.7	151.9	1297.	962.7
#3	100.6	151.7	1288.	933.4

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2254.0</b>	<b>26364.</b>	<b>2713.2</b>
Stddev	3.4	101.	8.4
%RSD	.14962	.38448	.30977
#1	2255.5	26434.	2708.6
#2	2250.2	26248.	2708.1
#3	2256.4	26410.	2722.9

Sample Name: 460-43516-g-1-c@4 Acquired: 8/16/2012 23:42:09 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>27280.</b>	<b>43.32</b>	<b>-.6272</b>	<b>447.1</b>	<b>1.807</b>	<b>6904.</b>
Stddev	60.	.63	.5086	2.1	.163	25.
%RSD	.2189	1.448	81.08	.4595	9.009	.3637

#1	27330.	44.00	-.3200	447.7	1.988	6915.
#2	27300.	43.17	-1.214	448.8	1.672	6876.
#3	27210.	42.77	-.3474	444.8	1.762	6922.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.662</b>	<b>22.72</b>	<b>56.19</b>	<b>150.9</b>	<b>45540.</b>	<b>2293.</b>
Stddev	.036	.29	.58	4.9	158.	31.
%RSD	2.145	1.286	1.030	3.237	.3472	1.371

#1	1.695	22.55	56.39	156.0	45660.	2329.
#2	1.667	23.06	56.63	150.5	45600.	2274.
#3	1.624	22.55	55.53	146.2	45360.	2275.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4023.</b>	<b>462.8</b>	<b>656.3</b>	<b>49.80</b>	<b>1233.</b>	<b>2.540</b>
Stddev	20.	1.4	17.7	.30	2.	.882
%RSD	.4884	.2930	2.696	.5962	.1464	34.72

#1	4044.	462.7	666.4	49.68	1234.	1.615
#2	4020.	464.2	635.9	50.13	1234.	3.371
#3	4005.	461.5	666.7	49.57	1231.	2.633

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43516-g-1-c@4 Acquired: 8/16/2012 23:42:09 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.811	-2.335	99.65	589.6	25.83	5.140
Stddev	2.174	2.434	.57	2.7	1.21	.366
%RSD	37.41	104.3	.5746	.4606	4.686	7.113
#1	3.818	-2.790	99.87	589.6	27.19	5.027
#2	8.129	-5.023	100.1	592.3	24.87	4.844
#3	5.487	-1.703	99.00	586.8	25.43	5.548

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	38.61	109.4	736.2	721.0
Stddev	.74	.2	2.4	19.3
%RSD	1.923	.1907	.3249	2.679
#1	39.32	109.6	738.1	700.3
#2	37.84	109.4	737.0	724.1
#3	38.67	109.2	733.5	738.6

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2289.1	26921.	2716.8
Stddev	4.8	97.	14.0
%RSD	.20801	.36016	.51528
#1	2293.5	26947.	2700.7
#2	2284.0	26814.	2725.9
#3	2289.7	27003.	2723.9

Sample Name: 460-43233-c-1-c@4 Acquired: 8/16/2012 23:45:47 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>43830.</b>	<b>24.15</b>	<b>41.04</b>	<b>1111.</b>	<b>4.797</b>	<b>F 276100.</b>
Stddev	126.	2.04	1.79	4.	.101	661.
%RSD	.2865	8.438	4.371	.3954	2.097	.2394

#1	43740.	23.42	41.42	1112.	4.761	275500.
#2	43980.	26.46	42.61	1114.	4.911	276800.
#3	43780.	22.58	39.09	1106.	4.719	275900.

Check ?	Chk Pass	Chk Fail				
High Limit						250000.
Low Limit						-5000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.239</b>	<b>18.97</b>	<b>79.56</b>	<b>491.3</b>	<b>80260.</b>	<b>2901.</b>
Stddev	.060	.22	.81	5.1	135.	48.
%RSD	2.682	1.155	1.019	1.044	.1676	1.638

#1	2.306	18.72	80.06	488.7	80120.	2898.
#2	2.222	19.14	78.62	488.0	80390.	2949.
#3	2.190	19.05	79.99	497.2	80270.	2854.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>39390.</b>	<b>3193.</b>	<b>1591.</b>	<b>126.3</b>	<b>407.0</b>	<b>10.57</b>
Stddev	90.	6.	15.	1.0	3.7	.97
%RSD	.2277	.1768	.9424	.7668	.9041	9.140

#1	39290.	3187.	1592.	127.2	410.9	10.24
#2	39430.	3194.	1606.	126.4	406.4	9.820
#3	39460.	3198.	1576.	125.3	403.6	11.66

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43233-c-1-c@4 Acquired: 8/16/2012 23:45:47 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.4074	-6.729	423.7	521.6	29.95	2.966
Stddev	4.838	2.454	1.7	1.3	.89	.272
%RSD	1188.	36.46	.4011	.2438	2.982	9.154
#1	-3.616	-9.358	422.0	523.0	30.18	3.243
#2	5.775	-6.331	423.6	521.2	30.72	2.700
#3	-.9370	-4.500	425.4	520.6	28.97	2.956

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	90.51	552.4	1645.	1391.
Stddev	1.78	.7	2.	15.
%RSD	1.972	.1197	.0984	1.100
#1	90.84	552.4	1645.	1402.
#2	92.11	553.0	1646.	1374.
#3	88.58	551.7	1643.	1398.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2300.7	26432.	2830.1
Stddev	5.7	98.	3.4
%RSD	.24887	.37029	.11887
#1	2296.0	26474.	2831.2
#2	2307.0	26502.	2826.3
#3	2298.9	26320.	2832.8

Sample Name:	460-43217-e-1-b@4	Acquired:	8/16/2012 23:49:22	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>25820.</b>	<b>136.3</b>	<b>10.60</b>	<b>2050.</b>	<b>2.275</b>	<b>36160.</b>
Stddev	161.	1.6	1.66	7.	.113	191.
%RSD	.6240	1.181	15.63	.3647	4.961	.5270

#1	25640.	134.5	10.68	2055.	2.405	35950.
#2	25930.	137.0	12.22	2053.	2.203	36320.
#3	25900.	137.4	8.906	2041.	2.217	36200.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.15</b>	<b>40.77</b>	<b>207.1</b>	<b>2135.</b>	<b>168100.</b>	<b>2517.</b>
Stddev	.04	.24	1.8	13.	456.	11.
%RSD	.3538	.5974	.8754	.6100	.2713	.4475
#1	12.12	40.91	206.2	2124.	168100.	2504.
#2	12.20	40.49	209.2	2132.	168600.	2522.
#3	12.13	40.91	206.0	2149.	167700.	2524.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7409.</b>	<b>1952.</b>	<b>821.1</b>	<b>193.6</b>	<b>6929.</b>	<b>17.27</b>
Stddev	16.	5.	31.1	.5	17.	2.08
%RSD	.2095	.2541	3.786	.2610	.2434	12.04
#1	7396.	1948.	846.6	193.0	6939.	15.34
#2	7427.	1957.	786.5	193.9	6937.	17.02
#3	7405.	1951.	830.2	193.9	6909.	19.47

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43217-e-1-b@4 Acquired: 8/16/2012 23:49:22 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.426</b>	<b>-3.792</b>	<b>261.9</b>	<b>F 6069.</b>	<b>39.10</b>	<b>8.737</b>
Stddev	8.081	1.648	.5	14.	.42	.594
%RSD	148.9	43.45	.1918	.2346	1.085	6.800
#1	-3.856	-1.937	261.6	6081.	38.72	8.875
#2	9.243	-5.084	262.5	6072.	39.03	9.250
#3	10.89	-4.356	261.6	6053.	39.56	8.086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				5000.		
Low Limit				-50.00		

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>461.7</b>	<b>278.1</b>	<b>889.3</b>	<b>1125.</b>
Stddev	1.4	2.1	5.2	31.
%RSD	.3083	.7712	.5862	2.730
#1	463.2	275.7	886.5	1150.
#2	461.7	279.8	895.3	1134.
#3	460.3	278.9	886.1	1091.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2246.6</b>	<b>26273.</b>	<b>2710.5</b>
Stddev	3.1	40.	5.0
%RSD	.13718	.15095	.18605
#1	2243.1	26312.	2716.2
#2	2248.1	26233.	2708.6
#3	2248.7	26274.	2706.7

Sample Name: 460-43235-e-1-c@4 Acquired: 8/16/2012 23:52:54 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>47710.</b>	<b>25.13</b>	<b>-2.492</b>	<b>559.2</b>	<b>4.742</b>	<b>146000.</b>
Stddev	78.	.16	.799	1.4	.184	403.
%RSD	.1639	.6463	32.07	.2508	3.887	.2758
#1	47780.	25.04	-1.649	559.1	4.915	146100.
#2	47620.	25.32	-2.588	560.7	4.548	145500.
#3	47730.	25.02	-3.239	558.0	4.764	146300.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0375</b>	<b>63.77</b>	<b>181.1</b>	<b>137.2</b>	<b>139400.</b>	<b>14580.</b>
Stddev	.1420	.47	1.6	3.1	139.	58.
%RSD	379.1	.7427	.8775	2.238	.0995	.3965
#1	.2011	64.00	179.3	140.7	139300.	14610.
#2	-.0540	64.08	181.8	134.9	139500.	14510.
#3	-.0347	63.23	182.3	136.0	139400.	14620.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>56950.</b>	<b>3014.</b>	<b>1926.</b>	<b>131.4</b>	<b>78.18</b>	<b>-1.116</b>
Stddev	169.	4.	14.	.2	.23	1.304
%RSD	.2973	.1329	.7262	.1366	.2988	116.8
#1	56760.	3010.	1924.	131.6	78.05	.1427
#2	57060.	3017.	1913.	131.5	78.05	-1.030
#3	57040.	3015.	1941.	131.2	78.45	-2.462

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43235-e-1-c@4 Acquired: 8/16/2012 23:52:54 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.181</b>	<b>-4.908</b>	<b>223.2</b>	<b>827.8</b>	<b>50.30</b>	<b>8.791</b>
Stddev	3.482	1.955	1.2	2.3	.22	.076
%RSD	294.8	39.84	.5191	.2825	.4416	.8666
#1	4.695	-7.163	222.7	826.9	50.52	8.877
#2	1.119	-3.880	224.5	830.5	50.30	8.766
#3	-2.269	-3.681	222.3	826.1	50.08	8.731

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>6.620</b>	<b>1226.</b>	<b>1045.</b>	<b>759.7</b>
Stddev	.480	3.	6.	10.2
%RSD	7.254	.2558	.5332	1.348
#1	7.082	1229.	1050.	763.3
#2	6.123	1225.	1039.	767.6
#3	6.654	1223.	1044.	748.1

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2288.5</b>	<b>26447.</b>	<b>2783.5</b>
Stddev	6.7	8.	4.5
%RSD	.29328	.02836	.16276
#1	2285.4	26440.	2783.2
#2	2284.0	26455.	2788.1
#3	2296.3	26446.	2779.1

Sample Name:	460-43235-e-2-c@4	Acquired:	8/16/2012 23:56:30	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12190.	155.6	-1.627	207.7	.5789	6138.
Stddev	45.	4.4	1.000	.7	.0814	30.
%RSD	.3659	2.829	61.43	.3159	14.06	.4936
#1	12180.	150.5	-2.760	207.6	.6583	6138.
#2	12150.	158.1	-1.251	208.3	.5829	6169.
#3	12240.	158.1	-.8704	207.0	.4956	6108.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.118	9.498	141.6	96.99	130900.	2225.
Stddev	.170	.548	.5	3.35	127.	34.
%RSD	8.027	5.772	.3777	3.458	.0966	1.549
#1	1.976	8.870	141.0	93.98	130800.	2225.
#2	2.306	9.882	142.0	96.38	131000.	2191.
#3	2.072	9.741	141.9	100.6	130800.	2260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2981.	208.9	3482.	24.10	1009.	3.087
Stddev	4.	1.0	11.	.06	1.	2.887
%RSD	.1295	.4875	.3245	.2302	.0898	93.53
#1	2983.	209.0	3474.	24.05	1010.	-.2103
#2	2983.	209.8	3495.	24.16	1009.	5.162
#3	2977.	207.8	3478.	24.10	1008.	4.310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43235-e-2-c@4 Acquired: 8/16/2012 23:56:30 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>7.099</b>	<b>-2.312</b>	<b>84.13</b>	<b>1002.</b>	<b>14.05</b>	<b>6.080</b>
Stddev	5.430	3.759	.84	3.	.61	.102
%RSD	76.49	162.6	1.003	.2665	4.323	1.669
#1	1.056	-2312	84.09	1003.	14.47	6.181
#2	11.57	-0542	83.30	1004.	14.32	6.083
#3	8.675	-6.651	84.99	999.0	13.35	5.978

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>18.42</b>	<b>362.3</b>	<b>754.4</b>	<b>721.8</b>
Stddev	.69	.3	1.6	33.6
%RSD	3.736	.0701	.2094	4.654
#1	17.94	362.6	753.3	689.9
#2	19.21	362.1	753.6	718.6
#3	18.12	362.3	756.2	756.8

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2219.4</b>	<b>26118.</b>	<b>2663.4</b>
Stddev	6.0	57.	8.1
%RSD	.27074	.21898	.30358
#1	2225.5	26179.	2657.8
#2	2219.2	26066.	2672.6
#3	2213.5	26108.	2659.7

Sample Name: 460-43235-e-3-c@4 Acquired: 8/17/2012 0:00:06 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>44460.</b>	<b>30.32</b>	<b>-1.574</b>	<b>559.5</b>	<b>4.092</b>	<b>140200.</b>
Stddev	436.	1.56	.279	2.4	.098	1084.
%RSD	.9799	5.155	17.75	.4356	2.400	.7727
#1	44920.	29.23	-1.801	561.6	4.172	141500.
#2	44420.	32.11	-1.262	560.2	3.983	139800.
#3	44050.	29.60	-1.659	556.8	4.121	139500.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0495</b>	<b>53.21</b>	<b>160.0</b>	<b>139.4</b>	<b>133100.</b>	<b>13730.</b>
Stddev	.0551	.29	1.3	4.9	742.	109.
%RSD	111.4	.5407	.8374	3.518	.5572	.7956
#1	.0117	53.42	158.7	144.7	132900.	13860.
#2	-.0650	53.34	161.4	138.7	133900.	13670.
#3	-.0952	52.88	159.8	134.9	132400.	13670.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>52180.</b>	<b>2707.</b>	<b>1310.</b>	<b>117.0</b>	<b>85.75</b>	<b>.4750</b>
Stddev	272.	13.	12.	.3	1.45	5.480
%RSD	.5204	.4984	.9138	.2421	1.694	1154.
#1	52160.	2709.	1320.	116.9	87.39	-3.791
#2	52470.	2719.	1296.	117.3	84.61	6.655
#3	51920.	2692.	1313.	116.7	85.26	-1.439

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43235-e-3-c@4 Acquired: 8/17/2012 0:00:06 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.726</b>	<b>-4.715</b>	<b>200.0</b>	<b>537.5</b>	<b>43.07</b>	<b>10.15</b>
Stddev	4.437	.392	1.3	3.1	1.02	.71
%RSD	119.1	8.323	.6362	.5815	2.379	6.967
#1	6.462	-4.817	200.1	539.7	43.65	10.87
#2	-1.393	-4.282	201.3	538.9	43.67	10.12
#3	6.110	-5.046	198.7	534.0	41.88	9.460

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>5.738</b>	<b>1188.</b>	<b>942.7</b>	<b>1020.</b>
Stddev	.311	12.	7.8	7.
%RSD	5.424	1.018	.8311	.7145
#1	5.511	1201.	951.7	1028.
#2	6.093	1185.	939.5	1018.
#3	5.611	1177.	937.0	1013.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2290.5</b>	<b>26532.</b>	<b>2774.7</b>
Stddev	5.6	27.	17.0
%RSD	.24640	.09988	.61254
#1	2285.9	26562.	2755.4
#2	2288.9	26511.	2787.3
#3	2296.8	26523.	2781.4

Sample Name:	460-43235-e-4-e@4	Acquired:	8/17/2012 0:03:42	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6626.</b>	<b>96.93</b>	<b>.6860</b>	<b>518.9</b>	<b>.2953</b>	<b>4188.</b>
Stddev	34.	1.88	.4877	1.4	.0121	19.
%RSD	.5077	1.941	71.09	.2603	4.087	.4487
#1	6591.	95.82	.9682	519.1	.2816	4207.
#2	6658.	99.10	.9670	520.1	.3045	4188.
#3	6629.	95.86	.1229	517.4	.2998	4170.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.6648</b>	<b>17.41</b>	<b>29.66</b>	<b>437.1</b>	<b>103800.</b>	<b>3876.</b>
Stddev	.1336	.53	.56	2.2	113.	61.
%RSD	20.10	3.069	1.896	.5093	.1090	1.565
#1	.5639	16.86	30.28	434.8	103700.	3946.
#2	.8164	17.93	29.19	437.2	103900.	3841.
#3	.6141	17.43	29.50	439.3	103700.	3842.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>604.9</b>	<b>110.7</b>	<b>564.7</b>	<b>43.24</b>	<b>14620.</b>	<b>-11.94</b>
Stddev	8.2	.5	15.3	.15	17.	2.08
%RSD	1.349	.4512	2.709	.3396	.1169	17.41
#1	614.1	111.2	576.8	43.36	14630.	-12.37
#2	601.8	110.7	547.5	43.28	14630.	-13.78
#3	598.7	110.2	569.8	43.08	14600.	-9.685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43235-e-4-e@4 Acquired: 8/17/2012 0:03:42 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14.91</b>	<b>.2187</b>	<b>33.27</b>	<b>325.2</b>	<b>15.45</b>	<b>11.80</b>
Stddev	2.59	.3624	.44	.7	.26	.17
%RSD	17.33	165.7	1.311	.2063	1.652	1.473
#1	17.85	.2349	32.85	325.9	15.21	11.73
#2	13.91	-.1515	33.24	325.0	15.43	12.00
#3	12.98	.5728	33.72	324.6	15.71	11.68

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>F 6609.</b>	<b>110.2</b>	<b>599.9</b>	<b>722.6</b>
Stddev	18.	.7	4.5	28.5
%RSD	.2798	.6077	.7582	3.948
#1	6624.	110.6	595.4	726.6
#2	6616.	110.5	599.7	692.3
#3	6589.	109.4	604.5	749.0

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2000.			
Low Limit	-50.00			

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2237.0</b>	<b>26313.</b>	<b>2670.6</b>
Stddev	5.3	131.	7.6
%RSD	.23845	.49965	.28520
#1	2232.3	26269.	2678.1
#2	2242.8	26209.	2662.9
#3	2235.8	26460.	2670.9

Sample Name: lcs 460-124287/2-a Acquired: 8/17/2012 0:07:19 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1922.	1909.	47.82	1957.	47.42	19620.
Stddev	15.	10.	.42	3.	.16	109.
%RSD	.7730	.4999	.8734	.1724	.3451	.5529
#1	1910.	1899.	48.16	1953.	47.61	19730.
#2	1939.	1911.	47.95	1960.	47.31	19590.
#3	1916.	1918.	47.35	1957.	47.33	19520.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.46	488.3	199.4	234.2	1029.	18920.
Stddev	.09	1.0	1.6	1.7	8.	25.
%RSD	.1744	.2103	.8024	.7265	.8183	.1313
#1	49.36	487.7	198.9	233.4	1035.	18940.
#2	49.50	489.5	198.1	236.1	1033.	18890.
#3	49.51	487.8	201.2	233.0	1020.	18910.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	19340.	503.3	19240.	498.0	502.7	471.3
Stddev	53.	.9	84.	1.0	.9	1.6
%RSD	.2746	.1832	.4386	.2080	.1719	.3431
#1	19270.	503.8	19330.	497.8	503.7	471.0
#2	19360.	502.3	19170.	497.1	502.2	469.9
#3	19370.	503.9	19220.	499.1	502.2	473.1

Check ?	Chk Pass					
Value Range						

Sample Name: lcs 460-124287/2-a Acquired: 8/17/2012 0:07:19 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1866.	2065.	482.3	488.7	467.8	481.8
Stddev	4.	2.	.7	1.0	1.5	1.6
%RSD	.2333	.0842	.1440	.2068	.3280	.3288
#1	1861.	2065.	481.6	487.6	467.1	480.2
#2	1868.	2067.	482.4	488.9	469.5	481.7
#3	1870.	2064.	483.0	489.6	466.7	483.3

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	499.8	466.6	490.7	F 33.65
Stddev	2.5	.7	1.7	10.70
%RSD	.5075	.1462	.3543	31.78
#1	497.6	467.4	488.7	22.46
#2	499.2	466.3	492.1	34.74
#3	502.6	466.1	491.2	43.76

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value Range				2000. -15.00%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2204.1	25631.	2648.9
Stddev	7.5	60.	9.5
%RSD	.33904	.23228	.35801
#1	2212.2	25594.	2638.0
#2	2202.5	25700.	2653.0
#3	2197.5	25600.	2655.6

Sample Name: CCV Acquired: 8/17/2012 0:10:56 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>122600.</b>	<b>2439.</b>	<b>1223.</b>	<b>9773.</b>	<b>974.6</b>	<b>123500.</b>
Stddev	144.	8.	2.	9.	2.4	716.
%RSD	.1174	.3388	.1916	.0952	.2413	.5799

#1	122400.	2449.	1223.	9781.	975.5	122700.
#2	122600.	2435.	1221.	9763.	976.4	123700.
#3	122700.	2433.	1225.	9776.	971.9	124100.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1231.</b>	<b>2445.</b>	<b>4967.</b>	<b>12220.</b>	<b>99540.</b>	<b>48510.</b>
Stddev	1.	3.	7.	83.	198.	189.
%RSD	.1037	.1203	.1490	.6750	.1992	.3899

#1	1232.	2448.	4959.	12130.	99310.	48290.
#2	1229.	2443.	4974.	12240.	99660.	48610.
#3	1230.	2443.	4967.	12290.	99650.	48630.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>123900.</b>	<b>4998.</b>	<b>122500.</b>	<b>2468.</b>	<b>7478.</b>	<b>971.9</b>
Stddev	69.	12.	103.	2.	11.	2.2
%RSD	.0556	.2448	.0839	.0952	.1425	.2246

#1	123800.	4984.	122400.	2470.	7486.	969.5
#2	123900.	5003.	122600.	2466.	7466.	973.7
#3	123900.	5007.	122500.	2466.	7482.	972.5

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/17/2012 0:10:56 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2431.</b>	<b>2481.</b>	<b>2455.</b>	<b>2453.</b>	<b>962.5</b>	<b>2425.</b>
Stddev	5.	8.	4.	3.	2.0	3.
%RSD	.2153	.3362	.1431	.1151	.2102	.1061

#1	2435.	2485.	2451.	2456.	960.7	2423.
#2	2431.	2471.	2456.	2450.	962.1	2425.
#3	2425.	2487.	2457.	2452.	964.7	2428.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>980.4</b>	<b>4902.</b>	<b>9795.</b>	<b>9615.</b>
Stddev	3.3	19.	15.	45.
%RSD	.3333	.3833	.1503	.4703

#1	983.2	4882.	9779.	9617.
#2	976.8	4905.	9800.	9659.
#3	981.0	4919.	9807.	9569.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2079.2</b>	<b>24019.</b>	<b>2582.6</b>
Stddev	1.6	15.	9.8
%RSD	.07520	.06132	.37990

#1	2078.8	24006.	2586.4
#2	2080.9	24035.	2589.9
#3	2077.8	24016.	2571.4

Sample Name: CCB Acquired: 8/17/2012 0:14:20 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.95</b>	<b>.1776</b>	<b>-.0330</b>	<b>.7173</b>	<b>-.1077</b>	<b>20.30</b>
Stddev	28.11	2.403	.3907	.5309	.3101	16.61
%RSD	217.1	1353.	1184.	74.02	288.0	81.80

#1	10.52	2.058	-.1809	1.280	.1389	38.98
#2	-5.262	1.004	.4101	.6465	-.0061	14.77
#3	-44.09	-2.529	-.3282	.2253	-.4558	7.173

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0833</b>	<b>-.1688</b>	<b>.8005</b>	<b>-.4.227</b>	<b>12.61</b>	<b>45.14</b>
Stddev	.1926	.2985	.7087	3.612	9.28	37.83
%RSD	231.1	176.8	88.54	85.45	73.62	83.81

#1	.2568	.1649	1.560	-.2818	18.76	88.66
#2	.1172	-.2609	.6847	-5.028	1.931	20.11
#3	-.1240	-.4104	.1568	-7.372	17.14	26.65

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17.23</b>	<b>.3924</b>	<b>15.65</b>	<b>-.4673</b>	<b>1.149</b>	<b>3.785</b>
Stddev	9.27	.4872	29.09	.3684	1.534	1.228
%RSD	53.79	124.2	185.9	78.83	133.6	32.44

#1	27.92	.9124	45.27	-.0619	2.916	5.144
#2	11.41	.3183	-12.88	-.5584	.3787	3.453
#3	12.37	-.0535	14.57	-.7815	.1519	2.757

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/17/2012 0:14:20 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.159</b>	<b>-1.481</b>	<b>.4080</b>	<b>.4431</b>	<b>2.302</b>	<b>3.505</b>
Stddev	5.632	1.077	.4653	.1685	1.435	1.509
%RSD	260.9	72.74	114.0	38.03	62.36	43.04
#1	7.455	-.2373	.9440	.6265	3.330	5.213
#2	-3.758	-2.129	.1724	.2951	2.913	2.945
#3	2.780	-2.076	.1076	.4077	.6618	2.357

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9242</b>	<b>.6316</b>	<b>2.915</b>	<b>-11.15</b>
Stddev	.9102	.5092	1.434	17.40
%RSD	98.49	80.63	49.18	156.1
#1	.2094	1.160	4.421	-14.64
#2	.6142	.5898	2.756	7.736
#3	1.949	.1445	1.567	-26.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2208.6</b>	<b>26007.</b>	<b>2608.8</b>
Stddev	11.1	124.	11.6
%RSD	.50338	.47821	.44621
#1	2221.3	26145.	2622.0
#2	2203.9	25971.	2600.0
#3	2200.6	25904.	2604.3

Sample Name: mb 460-124287/1-a Acquired: 8/17/2012 0:18:09 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-4.018</b>	<b>-.8292</b>	<b>.1319</b>	<b>.1393</b>	<b>-.1055</b>	<b>-4.551</b>
Stddev	21.47	3.530	.4828	.0630	.1438	24.47
%RSD	534.3	425.8	366.1	45.21	136.4	537.7
#1	-10.58	1.899	.5562	.2062	.0385	21.24
#2	-21.44	.4297	-.3934	.1305	-.2492	-7.439
#3	19.96	-4.816	.2328	.0812	-.1058	-27.45

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0529</b>	<b>-.4735</b>	<b>-.1210</b>	<b>-5.713</b>	<b>10.33</b>	<b>98.33</b>
Stddev	.1899	.1540	.2372	4.687	14.41	62.38
%RSD	359.3	32.52	196.1	82.05	139.4	63.44
#1	-.1430	-.4558	-.3787	-3.556	26.95	163.9
#2	.2362	-.6356	.0881	-2.492	2.652	91.33
#3	.0653	-.3291	-.0723	-11.09	1.393	39.74

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.029</b>	<b>-.0624</b>	<b>-21.93</b>	<b>.4126</b>	<b>-.0865</b>	<b>2.120</b>
Stddev	4.111	.0193	16.99	.3788	.8812	3.056
%RSD	399.4	30.94	77.47	91.81	1019.	144.1
#1	4.786	-.0427	-2.400	.3384	-1.061	5.151
#2	1.663	-.0633	-33.31	.0764	.1485	2.169
#3	-3.362	-.0813	-30.08	.8230	.6535	-.9599

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: mb 460-124287/1-a Acquired: 8/17/2012 0:18:09 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.870</b>	<b>-1.040</b>	<b>.2274</b>	<b>.6919</b>	<b>1.703</b>	<b>.7243</b>
Stddev	1.744	.554	.4477	.0795	1.436	.2065
%RSD	45.07	53.27	196.9	11.49	84.30	28.52
#1	3.988	-1.641	-.2580	.7207	2.161	.9515
#2	2.070	-.9302	.3161	.6020	.0944	.6736
#3	5.552	-.5491	.6240	.7530	2.854	.5478

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9208</b>	<b>-.1281</b>	<b>.9028</b>	<b>8.656</b>
Stddev	.4505	.1928	.2012	4.391
%RSD	48.92	150.5	22.29	50.72
#1	1.370	.0137	.7423	10.36
#2	.4691	-.3476	1.128	3.670
#3	.9232	-.0503	.8374	11.94

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2205.1</b>	<b>25953.</b>	<b>2596.1</b>
Stddev	2.4	25.	6.7
%RSD	.10838	.09562	.25701
#1	2207.2	25924.	2602.2
#2	2202.5	25971.	2589.0
#3	2205.8	25962.	2597.0

Sample Name:	460-43417-d-3-b du	Acquired:	8/17/2012 0:21:54	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>43.20</b>	<b>.7170</b>	<b>-.6721</b>	<b>52.84</b>	<b>-.1657</b>	<b>18550.</b>
Stddev	20.37	.8918	.7446	.17	.1040	180.
%RSD	47.16	124.4	110.8	.3254	62.72	.9686
#1	56.42	.6425	.0835	52.86	-.2056	18340.
#2	53.43	1.644	-1.405	53.00	-.2439	18650.
#3	19.74	-.1352	-.6945	52.66	-.0478	18640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.432</b>	<b>1.462</b>	<b>4.669</b>	<b>-1.500</b>	<b>71.43</b>	<b>3120.</b>
Stddev	.152	.284	.737	3.136	5.42	80.
%RSD	10.61	19.44	15.78	209.0	7.588	2.566
#1	1.355	1.139	4.487	1.283	77.45	3045.
#2	1.607	1.573	5.480	-.8861	66.95	3111.
#3	1.335	1.675	4.041	-4.898	69.89	3205.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4775.</b>	<b>45.69</b>	<b>13090.</b>	<b>2.685</b>	<b>.9988</b>	<b>.2419</b>
Stddev	56.	.54	131.	.177	2.898	1.511
%RSD	1.180	1.182	.9991	6.590	290.1	624.4
#1	4710.	45.18	12940.	2.533	-1.348	-1.433
#2	4807.	45.62	13180.	2.879	.1068	.6575
#3	4809.	46.26	13150.	2.642	4.238	1.501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43417-d-3-b du Acquired: 8/17/2012 0:21:54 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.276</b>	<b>-2.629</b>	<b>.0587</b>	<b>21.44</b>	<b>35.16</b>	<b>.5230</b>
Stddev	2.765	1.810	.5355	.25	.61	.0728
%RSD	52.40	68.87	912.5	1.143	1.731	13.92
#1	2.492	-9585	.4560	21.39	35.46	.6070
#2	8.022	-2.375	.2704	21.70	34.46	.4789
#3	5.313	-4.552	-.5503	21.22	35.56	.4832

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.734</b>	<b>36.92</b>	<b>1.859</b>	<b>2274.</b>
Stddev	.890	.19	.297	.9.
%RSD	51.33	.5248	15.96	.4031
#1	2.760	36.71	2.066	2276.
#2	1.269	37.07	1.992	2264.
#3	1.173	36.99	1.519	2282.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2219.4</b>	<b>26007.</b>	<b>2650.8</b>
Stddev	6.4	125.	12.1
%RSD	.28644	.48032	.45696
#1	2216.7	26150.	2664.6
#2	2214.8	25921.	2645.5
#3	2226.7	25949.	2642.2

Sample Name: 460-43417-d-3-a Acquired: 8/17/2012 0:25:35 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>62.48</b>	<b>.2213</b>	<b>.1913</b>	<b>51.55</b>	<b>-.1037</b>	<b>18230.</b>
Stddev	15.67	.6811	.4252	.18	.1837	44.
%RSD	25.07	307.8	222.3	.3515	177.1	.2409
#1	80.00	-.2441	-.2890	51.71	-.2322	18180.
#2	57.63	1.003	.5199	51.36	-.1856	18250.
#3	49.82	-.0952	.3429	51.58	.1066	18270.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.374</b>	<b>1.525</b>	<b>4.805</b>	<b>-6.931</b>	<b>78.94</b>	<b>3052.</b>
Stddev	.144	.260	.523	2.135	8.65	37.
%RSD	10.50	17.07	10.89	30.80	10.96	1.219
#1	1.531	1.737	5.396	-6.879	76.80	3081.
#2	1.344	1.603	4.617	-9.091	71.56	3010.
#3	1.248	1.234	4.401	-4.822	88.47	3065.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4692.</b>	<b>45.06</b>	<b>12870.</b>	<b>2.256</b>	<b>-1.720</b>	<b>2.093</b>
Stddev	17.	.14	22.	.050	1.995	2.353
%RSD	.3526	.3163	.1712	2.216	116.0	112.4
#1	4708.	45.02	12850.	2.276	-2.425	1.193
#2	4693.	45.22	12870.	2.199	.5321	4.762
#3	4675.	44.94	12900.	2.292	-3.266	.3226

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43417-d-3-a Acquired: 8/17/2012 0:25:35 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.437</b>	<b>-1.1464</b>	<b>.4925</b>	<b>21.14</b>	<b>35.51</b>	<b>.3203</b>
Stddev	1.651	1.456	.0259	.03	.60	.0291
%RSD	48.04	994.8	5.265	.1407	1.677	9.075
#1	2.400	-1.819	.4902	21.12	35.51	.3280
#2	2.571	.5393	.5194	21.18	36.11	.3448
#3	5.341	.8403	.4677	21.13	34.91	.2882

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.5174</b>	<b>36.40</b>	<b>1.622</b>	<b>2215.</b>
Stddev	1.200	.03	1.549	12.
%RSD	232.0	.0912	95.49	.5577
#1	1.536	36.37	2.511	2217.
#2	-.8060	36.40	-.1664	2202.
#3	.8220	36.43	2.521	2226.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2221.6</b>	<b>25944.</b>	<b>2644.4</b>
Stddev	4.8	48.	12.5
%RSD	.21711	.18601	.47305
#1	2220.0	25963.	2634.4
#2	2227.0	25980.	2658.4
#3	2217.8	25890.	2640.4

Sample Name: sd 460-43417-d-3-a@5 Acquired: 8/17/2012 0:29:18 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16.84</b>	<b>1.184</b>	<b>-.3628</b>	<b>10.25</b>	<b>-.0681</b>	<b>3622.</b>
Stddev	23.68	1.775	.6199	.19	.0393	21.
%RSD	140.6	149.8	170.9	1.885	57.68	.5819
#1	-9.147	2.463	-.7406	10.46	-.0481	3621.
#2	37.21	1.931	-.7004	10.08	-.1133	3644.
#3	22.45	-.8416	.3526	10.21	-.0428	3602.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1969</b>	<b>.1953</b>	<b>.8313</b>	<b>-.3634</b>	<b>24.79</b>	<b>615.2</b>
Stddev	.0009	.2732	.3954	5.361	8.31	89.3
%RSD	.4518	139.9	47.57	147.5	33.54	14.51
#1	.1977	.5108	.9307	-5.955	25.87	684.1
#2	.1972	.0350	.3957	-7.443	15.98	647.2
#3	.1959	.0401	1.168	2.497	32.50	514.3

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>929.3</b>	<b>9.056</b>	<b>2578.</b>	<b>.0096</b>	<b>-1.720</b>	<b>1.074</b>
Stddev	8.1	.109	5.	.1440	.403	1.117
%RSD	.8751	1.208	.1917	1494.	23.44	104.0
#1	938.7	9.182	2577.	-.1415	-1.835	1.730
#2	925.2	8.985	2583.	.1453	-2.054	1.708
#3	924.0	9.001	2573.	.0251	-1.272	-.2156

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43417-d-3-a@5 Acquired: 8/17/2012 0:29:18 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.023</b>	<b>-2.092</b>	<b>.7888</b>	<b>4.520</b>	<b>7.450</b>	<b>-.0809</b>
Stddev	7.343	1.605	.4021	.382	.401	.0945
%RSD	121.9	76.72	50.97	8.444	5.376	116.9
#1	14.46	-1.175	.8584	4.840	7.884	-.0323
#2	1.109	-3.945	1.152	4.623	7.094	-.0205
#3	2.496	-1.156	.3565	4.098	7.371	-.1898

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.615</b>	<b>7.137</b>	<b>1.613</b>	<b>428.0</b>
Stddev	.342	.229	1.725	3.5
%RSD	13.09	3.211	107.0	.8248
#1	2.841	6.908	-.3670	431.9
#2	2.782	7.135	2.412	425.1
#3	2.221	7.367	2.794	427.0

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2221.9</b>	<b>26154.</b>	<b>2616.5</b>
Stddev	12.1	174.	4.5
%RSD	.54243	.66425	.17126
#1	2208.0	25956.	2613.1
#2	2229.1	26230.	2621.6
#3	2228.6	26278.	2614.8

Sample Name: 460-43417-d-3-c.ms Acquired: 8/17/2012 0:33:02 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2025.	1927.	47.96	2014.	48.45	38380.
Stddev	12.	6.	.77	5.	.38	178.
%RSD	.5963	.2886	1.597	.2701	.7781	.4624
#1	2039.	1925.	47.08	2015.	48.18	38530.
#2	2019.	1934.	48.35	2019.	48.88	38440.
#3	2017.	1924.	48.46	2008.	48.30	38190.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	50.74	489.5	202.7	239.3	1073.	22370.
Stddev	.12	1.0	.9	1.6	11.	114.
%RSD	.2366	.1981	.4340	.6835	1.047	.5089
#1	50.62	489.7	201.7	237.4	1068.	22350.
#2	50.86	490.4	203.0	240.4	1086.	22490.
#3	50.75	488.5	203.3	240.1	1066.	22260.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23880.	554.3	32390.	497.2	497.4	475.7
Stddev	52.	1.7	120.	1.4	1.5	1.9
%RSD	.2197	.3121	.3710	.2735	.3073	.3933
#1	23850.	554.8	32490.	498.4	498.0	477.8
#2	23940.	555.7	32430.	497.5	498.5	475.2
#3	23840.	552.4	32250.	495.7	495.6	474.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43417-d-3-c.ms Acquired: 8/17/2012 0:33:02 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1869.	2046.	485.3	509.9	507.0	483.6
Stddev	1.	2.	1.1	1.3	1.7	1.8
%RSD	.0713	.0946	.2227	.2487	.3418	.3747
#1	1870.	2046.	484.4	509.4	505.4	483.0
#2	1868.	2047.	486.5	511.3	508.8	485.6
#3	1870.	2043.	485.1	508.9	506.7	482.1

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	501.0	513.3	499.5	2362.
Stddev	1.0	1.2	2.8	15.
%RSD	.1937	.2330	.5648	.6447
#1	501.7	514.6	502.5	2369.
#2	501.6	512.8	496.9	2344.
#3	499.9	512.4	499.0	2372.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2190.9	25365.	2616.5
Stddev	3.8	76.	5.9
%RSD	.17331	.30107	.22482
#1	2188.0	25394.	2609.7
#2	2189.6	25278.	2619.6
#3	2195.2	25422.	2620.1

Sample Name: pds 460-43417-d-3-a Acquired: 8/17/2012 0:36:29 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1980.	1891.	46.69	1969.	47.40	36840.
Stddev	22.	9.	.52	9.	.41	34.
%RSD	1.110	.4533	1.115	.4596	.8655	.0924
#1	1973.	1895.	46.32	1976.	47.42	36810.
#2	2005.	1898.	47.28	1973.	46.98	36840.
#3	1962.	1882.	46.47	1959.	47.80	36880.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.70	478.3	198.7	230.3	1074.	21480.
Stddev	.29	1.7	.7	2.5	20.	107.
%RSD	.5777	.3497	.3771	1.092	1.896	.4970
#1	49.94	479.0	198.0	233.0	1097.	21420.
#2	49.76	479.5	198.6	228.1	1067.	21420.
#3	49.38	476.4	199.5	229.8	1058.	21610.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	23370.	538.5	31240.	487.7	488.1	465.3
Stddev	26.	.7	60.	2.5	2.7	3.8
%RSD	.1123	.1381	.1920	.5103	.5600	.8240
#1	23340.	538.1	31180.	490.1	490.9	468.5
#2	23390.	538.1	31250.	488.0	487.8	466.3
#3	23370.	539.4	31300.	485.1	485.5	461.0

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: pds 460-43417-d-3-a Acquired: 8/17/2012 0:36:29 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1833.	2005.	474.3	523.0	496.6	474.0
Stddev	9.	12.	.7	2.9	2.7	2.3
%RSD	.5019	.5858	.1469	.5571	.5476	.4895
#1	1838.	2015.	474.4	524.6	497.8	475.5
#2	1838.	2008.	475.0	524.8	498.6	475.1
#3	1822.	1992.	473.6	519.7	493.5	471.3

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	487.8	494.1	484.7	2281.
Stddev	2.2	.6	1.4	21.
%RSD	.4561	.1288	.2802	.9269
#1	487.3	493.4	483.2	2280.
#2	490.2	494.2	485.6	2303.
#3	485.9	494.6	485.4	2261.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2188.9	25456.	2640.6
Stddev	4.1	38.	5.1
%RSD	.18572	.14987	.19129
#1	2189.4	25479.	2637.2
#2	2184.6	25478.	2646.4
#3	2192.7	25412.	2638.1

Sample Name: 460-43518-e-8-a Acquired: 8/17/2012 0:39:57 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-12.79</b>	<b>-1.154</b>	<b>.7496</b>	<b>.2269</b>	<b>-.1831</b>	<b>26.62</b>
Stddev	25.41	1.902	.4732	.1031	.1186	10.75
%RSD	198.6	164.8	63.12	45.43	64.79	40.40
#1	16.41	.8934	-1.235	.1719	-.1745	19.42
#2	-29.80	-1.490	-.2897	.1630	-.3057	21.45
#3	-24.98	-2.867	-.7241	.3458	-.0690	38.98

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0402</b>	<b>-.3621</b>	<b>.2581</b>	<b>-.3296</b>	<b>16.07</b>	<b>62.10</b>
Stddev	.0935	.1747	.9486	3.790	4.17	58.60
%RSD	232.7	48.23	367.5	115.0	25.94	94.38
#1	.1184	-.3031	-.7234	-6.719	14.34	26.50
#2	-.0634	-.5586	1.170	-3.947	20.82	129.7
#3	.0655	-.2246	.3280	.7774	13.04	30.05

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.068</b>	<b>.1676</b>	<b>36.52</b>	<b>-.4107</b>	<b>.2121</b>	<b>3.319</b>
Stddev	6.865	.0591	11.91	.2052	.7463	1.945
%RSD	332.0	35.24	32.60	49.97	351.8	58.59
#1	9.780	.0997	50.15	-.1984	.0197	3.908
#2	-.2020	.1960	28.16	-.6080	1.036	4.902
#3	-3.375	.2072	31.24	-.4256	-.4191	1.148

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43518-e-8-a Acquired: 8/17/2012 0:39:57 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.151</b>	<b>-1.147</b>	<b>.5788</b>	<b>2.081</b>	<b>2.446</b>	<b>.5431</b>
Stddev	2.519	2.088	.2027	.095	.562	.4509
%RSD	48.89	182.0	35.02	4.564	22.97	83.01
#1	7.837	-3.269	.7297	2.160	2.839	1.051
#2	4.774	-1.077	.6584	2.107	1.803	.1916
#3	2.842	.9052	.3484	1.976	2.698	.3863

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0708</b>	<b>.1468</b>	<b>-.0972</b>	<b>-1.816</b>
Stddev	1.167	.1598	.2157	6.699
%RSD	1648.	108.8	222.0	368.8
#1	.5853	.1985	.0914	-3.963
#2	-1.418	.2743	-.0505	5.693
#3	.6206	-.0324	-.3323	-7.179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2242.9</b>	<b>26446.</b>	<b>2650.7</b>
Stddev	2.3	23.	10.2
%RSD	.10083	.08602	.38591
#1	2244.6	26470.	2652.9
#2	2240.4	26424.	2659.7
#3	2243.8	26444.	2639.6

Sample Name: 460-43469-I-1-a Acquired: 8/17/2012 0:43:41 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	21800.	4.788	-7619	375.3	1.413	22180.
Stddev	143.	1.822	.4609	1.0	.216	146.
%RSD	.6569	38.06	60.50	.2693	15.30	.6580

#1	21680.	2.684	-1.089	375.2	1.518	22080.
#2	21960.	5.782	-.9624	376.3	1.164	22350.
#3	21770.	5.896	-.2347	374.3	1.555	22120.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0170	9.682	23.42	1.364	18030.	4383.
Stddev	.0513	.328	.41	.810	95.	59.
%RSD	300.7	3.385	1.766	59.36	.5272	1.350

#1	.0604	9.366	23.55	1.052	17920.	4330.
#2	.0303	9.659	22.96	.7563	18080.	4447.
#3	-.0396	10.02	23.76	2.283	18090.	4371.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12800.	741.4	45510.	25.06	11.90	.8959
Stddev	43.	3.4	201.	.28	1.65	.6446
%RSD	.3320	.4601	.4407	1.116	13.84	71.95

#1	12750.	737.5	45330.	25.34	13.13	.1858
#2	12830.	743.0	45730.	24.78	10.03	1.444
#3	12830.	743.7	45480.	25.07	12.55	1.058

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-I-1-a Acquired: 8/17/2012 0:43:41 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.521</b>	<b>-1.874</b>	<b>47.13</b>	<b>701.9</b>	<b>181.9</b>	<b>.2526</b>
Stddev	3.356	2.514	.72	1.6	1.5	.1874
%RSD	60.79	134.2	1.519	.2305	.8066	74.17
#1	6.903	.8158	46.77	702.0	183.6	.4525
#2	1.694	-4.163	47.96	703.5	181.2	.2244
#3	7.964	-2.273	46.67	700.3	181.0	.0809

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.267</b>	<b>72.98</b>	<b>394.6</b>	<b>F 36460.</b>
Stddev	.599	.52	1.6	99.
%RSD	47.29	.7109	.3935	.2714
#1	.8167	72.39	394.8	36360.
#2	1.947	73.37	393.0	36560.
#3	1.037	73.18	396.1	36460.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2242.1</b>	<b>25996.</b>	<b>2679.8</b>
Stddev	1.6	123.	9.1
%RSD	.07070	.47176	.33960
#1	2243.7	26133.	2686.8
#2	2240.5	25956.	2669.5
#3	2242.2	25898.	2683.0

Sample Name: 460-43469-I-2-a Acquired: 8/17/2012 0:47:18 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	22720.	7.143	.5001	444.0	1.165	41920.
Stddev	100.	2.084	.5387	1.6	.120	180.
%RSD	.4421	29.17	107.7	.3685	10.26	.4302

#1	22630.	6.796	.4440	445.5	1.031	41710.
#2	22700.	9.379	1.065	444.2	1.203	42020.
#3	22830.	5.254	-.0084	442.3	1.260	42040.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0848	8.132	25.32	7.357	18160.	4143.
Stddev	.0582	.172	.79	1.448	96.	23.
%RSD	68.66	2.109	3.102	19.68	.5296	.5437

#1	-.1215	8.281	25.59	7.512	18050.	4117.
#2	-.0177	8.169	24.44	8.721	18240.	4159.
#3	-.1151	7.944	25.94	5.838	18190.	4153.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14520.	791.9	26690.	18.94	12.58	2.319
Stddev	63.	3.6	112.	.26	.31	4.187
%RSD	.4370	.4518	.4175	1.378	2.491	180.5

#1	14450.	787.9	26560.	18.65	12.38	-2.294
#2	14580.	794.7	26770.	19.14	12.41	3.374
#3	14540.	793.1	26750.	19.03	12.94	5.877

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-I-2-a Acquired: 8/17/2012 0:47:18 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.704</b>	<b>-3.853</b>	<b>56.82</b>	<b>212.3</b>	<b>126.3</b>	<b>.3615</b>
Stddev	3.333	2.321	.30	.9	.2	.1244
%RSD	123.3	60.26	.5213	.4303	.1845	34.40

#1	5.148	-1.175	56.71	213.4	126.3	.2318
#2	-1.093	-5.300	57.15	211.9	126.1	.3730
#3	4.057	-5.083	56.59	211.7	126.5	.4798

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.040</b>	<b>118.1</b>	<b>391.4</b>	<b>F 41040.</b>
Stddev	.721	.5	3.2	90.
%RSD	35.34	.3947	.8071	.2183

#1	2.017	117.7	388.5	41040.
#2	2.773	118.6	391.0	40950.
#3	1.331	118.0	394.8	41130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2224.9</b>	<b>25738.</b>	<b>2649.1</b>
Stddev	6.8	53.	5.6
%RSD	.30564	.20599	.21139
#1	2218.4	25779.	2651.2
#2	2224.3	25678.	2642.8
#3	2232.0	25758.	2653.5

Sample Name: 460-43469-I-3-a Acquired: 8/17/2012 0:50:56 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3113.</b>	<b>3.497</b>	<b>-.3839</b>	<b>580.9</b>	<b>-.0462</b>	<b>83580.</b>
Stddev	27.	3.046	1.039	1.9	.2260	463.
%RSD	.8545	87.10	270.7	.3283	489.7	.5537
#1	3142.	.1072	.7542	582.7	-.2696	84110.
#2	3091.	6.004	-.6235	581.1	.1823	83260.
#3	3104.	4.379	-1.282	578.9	-.0512	83380.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0006</b>	<b>.4440</b>	<b>3.673</b>	<b>-.9981</b>	<b>2357.</b>	<b>1644.</b>
Stddev	.1621	.3029	.185	1.532	15.	41.
%RSD	25200.	68.23	5.046	153.5	.6506	2.470
#1	-.1688	.1955	3.834	.1299	2349.	1654.
#2	.0123	.7814	3.715	-2.742	2348.	1600.
#3	.1546	.3550	3.470	-.3822	2375.	1679.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13630.</b>	<b>158.4</b>	<b>23330.</b>	<b>3.443</b>	<b>.0391</b>	<b>3.895</b>
Stddev	59.	1.0	99.	.278	.6590	.924
%RSD	.4301	.6514	.4243	8.073	1686.	23.73
#1	13600.	157.3	23440.	3.140	.0198	4.949
#2	13700.	158.9	23290.	3.686	-.6101	3.509
#3	13600.	159.2	23260.	3.503	.7075	3.226

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-I-3-a Acquired: 8/17/2012 0:50:56 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2065	-3552	11.09	147.7	108.7	.3110
Stddev	3.130	1.372	.08	.7	.5	.1370
%RSD	1516.	386.3	.6923	.5047	.4341	44.06
#1	-2.739	-1.928	11.15	148.6	109.1	.4569
#2	-.1358	.5968	11.00	147.3	108.2	.2913
#3	3.494	.2657	11.11	147.2	108.9	.1849

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.076	247.1	80.48	14690.
Stddev	1.250	1.9	2.69	33.
%RSD	116.1	.7780	3.338	.2248
#1	2.490	249.3	77.70	14730.
#2	.1203	246.3	80.68	14660.
#3	.6176	245.7	83.06	14690.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2197.5	25554.	2625.1
Stddev	1.9	49.	4.9
%RSD	.08457	.19072	.18523
#1	2196.8	25609.	2622.9
#2	2199.6	25533.	2630.7
#3	2196.0	25518.	2621.8

Sample Name: CCV Acquired: 8/17/2012 0:54:38 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	2429.	1223.	9748.	971.2	124700.
Stddev	665.	6.	3.	16.	6.9	566.
%RSD	.5421	.2429	.2691	.1639	.7060	.4535
#1	123400.	2436.	1227.	9739.	978.6	125400.
#2	122200.	2425.	1222.	9766.	970.1	124300.
#3	122200.	2427.	1221.	9738.	965.0	124500.

Check ? Value Range	Chk Pass					
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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1226.	2444.	4942.	12360.	99220.	48880.
Stddev	1.	5.	21.	65.	361.	230.
%RSD	.0723	.2241	.4201	.5257	.3643	.4702
#1	1225.	2443.	4964.	12420.	99560.	49130.
#2	1227.	2450.	4940.	12290.	99270.	48670.
#3	1225.	2439.	4923.	12380.	98840.	48860.

Check ? Value Range	Chk Pass					
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Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	123000.	5018.	123000.	2459.	7455.	971.1
Stddev	474.	23.	764.	4.	15.	2.2
%RSD	.3851	.4517	.6208	.1766	.1956	.2219
#1	123500.	5042.	123900.	2461.	7443.	969.5
#2	123100.	5016.	122800.	2462.	7471.	970.3
#3	122500.	4997.	122500.	2454.	7450.	973.6

Check ? Value Range	Chk Pass					
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Sample Name: CCV Acquired: 8/17/2012 0:54:38 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2424.	2471.	2449.	2447.	961.2	2418.
Stddev	8.	10.	6.	6.	2.7	6.
%RSD	.3251	.3883	.2642	.2277	.2787	.2279

#1	2418.	2469.	2456.	2447.	958.1	2415.
#2	2433.	2481.	2447.	2452.	963.0	2424.
#3	2422.	2462.	2443.	2441.	962.5	2414.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	978.0	4945.	9796.	9616.
Stddev	2.3	22.	64.	45.
%RSD	.2338	.4424	.6557	.4685

#1	978.3	4970.	9870.	9667.
#2	980.2	4932.	9761.	9580.
#3	975.6	4932.	9757.	9601.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2069.9	23940.	2559.3
Stddev	5.9	35.	9.3
%RSD	.28359	.14571	.36475

#1	2070.5	23909.	2551.0
#2	2063.7	23935.	2557.7
#3	2075.4	23978.	2569.4

Sample Name: CCB Acquired: 8/17/2012 0:57:59 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-5.827</b>	<b>.7072</b>	<b>.1192</b>	<b>.5582</b>	<b>-.0859</b>	<b>7.096</b>
Stddev	11.89	1.067	1.399	.5150	.2206	9.765
%RSD	204.0	150.8	1174.	92.26	256.8	137.6
#1	.0404	1.242	.7729	1.085	.0946	15.98
#2	-19.50	-.5209	-1.487	.5343	-.3318	-3.360
#3	1.984	1.401	1.072	.0556	-.0205	8.669

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0240</b>	<b>-.2323</b>	<b>1.340</b>	<b>-7.759</b>	<b>14.85</b>	<b>76.27</b>
Stddev	.1550	.1320	.445	3.126	6.71	59.89
%RSD	645.0	56.85	33.24	40.28	45.19	78.53
#1	.1505	-.1800	1.839	-4.151	22.37	47.74
#2	.0705	-.1343	.9846	-9.487	9.472	145.1
#3	-.1489	-.3824	1.195	-9.640	12.70	35.97

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11.54</b>	<b>.3145</b>	<b>12.54</b>	<b>.1141</b>	<b>-.7091</b>	<b>1.188</b>
Stddev	7.16	.2614	39.41	.7568	.9601	.933
%RSD	62.07	83.14	314.2	663.2	135.4	78.53
#1	19.10	.5902	50.19	-.1723	.3925	1.430
#2	4.864	.2830	15.86	.9723	-1.368	.1580
#3	10.65	.0702	-28.42	-.4576	-1.152	1.977

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/17/2012 0:57:59 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.780</b>	<b>1.218</b>	<b>.6538</b>	<b>.4625</b>	<b>2.227</b>	<b>3.854</b>
Stddev	1.244	3.518	.5968	.2092	.575	1.578
%RSD	32.90	288.9	91.28	45.23	25.79	40.94
#1	3.093	-.0185	1.340	.3265	2.410	5.625
#2	5.216	-1.516	.3689	.7035	2.689	3.339
#3	3.032	5.187	.2529	.3576	1.584	2.598

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.122</b>	<b>.4456</b>	<b>3.854</b>	<b>-3.307</b>
Stddev	1.161	.3544	1.204	20.05
%RSD	103.4	79.53	31.25	606.4
#1	-.0925	.8547	4.003	10.88
#2	2.221	.2505	4.977	-26.25
#3	1.239	.2316	2.582	5.451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2207.8</b>	<b>26041.</b>	<b>2592.3</b>
Stddev	7.5	55.	19.5
%RSD	.33906	.21216	.75373
#1	2216.5	26105.	2572.0
#2	2203.4	26004.	2594.1
#3	2203.6	26015.	2610.9

Sample Name: 460-43469-k-4-a Acquired: 8/17/2012 1:01:47 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>48590.</b>	<b>13.87</b>	<b>-1.759</b>	<b>623.5</b>	<b>3.827</b>	<b>24780.</b>
Stddev	277.	.45	.271	2.0	.086	204.
%RSD	.5699	3.273	15.42	.3153	2.258	.8214
#1	48910.	13.35	-1.656	624.3	3.918	24980.
#2	48490.	14.21	-2.066	625.0	3.819	24570.
#3	48390.	14.03	-1.554	621.3	3.746	24810.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0901</b>	<b>25.60</b>	<b>52.88</b>	<b>15.87</b>	<b>43480.</b>	<b>6743.</b>
Stddev	.0874	.73	.59	5.12	192.	106.
%RSD	97.04	2.843	1.119	32.26	.4416	1.569
#1	-.1896	26.01	52.22	12.54	43690.	6843.
#2	-.0548	26.02	53.37	13.32	43440.	6632.
#3	-.0258	24.76	53.05	21.77	43310.	6753.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>18370.</b>	<b>1878.</b>	<b>35420.</b>	<b>51.46</b>	<b>25.08</b>	<b>.8727</b>
Stddev	79.	8.	280.	.60	.76	.6446
%RSD	.4294	.4149	.7914	1.157	3.017	73.87
#1	18460.	1887.	35740.	50.82	25.54	1.615
#2	18340.	1873.	35200.	52.00	25.51	.4574
#3	18320.	1875.	35320.	51.55	24.21	.5453

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-k-4-a Acquired: 8/17/2012 1:01:47 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.554</b>	<b>-4.189</b>	<b>106.9</b>	<b>390.7</b>	<b>176.0</b>	<b>1.506</b>
Stddev	6.317	2.040	.8	.8	1.1	.410
%RSD	113.8	48.69	.7213	.1979	.6109	27.24
#1	1.677	-6.136	107.4	391.5	175.2	1.910
#2	12.84	-2.068	107.2	390.7	177.2	1.519
#3	2.140	-4.364	106.0	389.9	175.7	1.090

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.414</b>	<b>87.72</b>	<b>625.4</b>	<b>F 64710.</b>
Stddev	1.208	.62	8.6	401.
%RSD	50.06	.7051	1.377	.6201
#1	1.683	88.43	634.5	65170.
#2	3.809	87.31	624.2	64420.
#3	1.751	87.41	617.4	64540.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2347.3</b>	<b>27004.</b>	<b>2816.4</b>
Stddev	4.1	87.	10.5
%RSD	.17522	.32069	.37301
#1	2342.5	26908.	2805.2
#2	2350.0	27027.	2826.0
#3	2349.3	27077.	2817.9

Sample Name: 460-43560-m-2-a Acquired: 8/17/2012 1:05:23 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3711.</b>	<b>.5961</b>	<b>-.4556</b>	<b>221.9</b>	<b>.1790</b>	<b>22070.</b>
Stddev	12.	1.070	1.233	.4	.1176	53.
%RSD	.3277	179.6	270.7	.1715	65.71	.2423
#1	3716.	.8447	-1.878	221.7	.0528	22060.
#2	3697.	-.5767	.1860	222.4	.1986	22020.
#3	3720.	1.520	.3247	221.8	.2856	22130.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0086</b>	<b>.7825</b>	<b>4.663</b>	<b>-2.106</b>	<b>2859.</b>	<b>2041.</b>
Stddev	.0386	.2668	.392	3.114	.6.	55.
%RSD	447.9	34.09	8.413	147.9	.2254	2.701
#1	.0031	.8851	4.439	-4.717	2852.	2029.
#2	-.0269	.4797	5.116	-2.940	2865.	1993.
#3	.0497	.9829	4.435	1.341	2860.	2101.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9947.</b>	<b>142.5</b>	<b>44650.</b>	<b>13.43</b>	<b>2.056</b>	<b>.2118</b>
Stddev	17.	.3	76.	.61	.773	2.607
%RSD	.1665	.2107	.1701	4.511	37.59	1231.
#1	9937.	142.2	44680.	13.38	1.437	.0864
#2	9938.	142.8	44570.	14.06	1.809	2.879
#3	9966.	142.5	44710.	12.85	2.922	-2.330

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-m-2-a Acquired: 8/17/2012 1:05:23 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.735</b>	<b>-2.353</b>	<b>7.141</b>	<b>2045.</b>	<b>204.2</b>	<b>.1302</b>
Stddev	4.540	2.202	.129	4.	.8	.0970
%RSD	261.7	93.59	1.807	.2089	.3878	74.49
#1	1.539	-2194	7.009	2045.	203.9	.1468
#2	6.370	-2.221	7.267	2049.	203.6	.0260
#3	-2.704	-4.618	7.148	2040.	205.1	.2179

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.0113</b>	<b>66.62</b>	<b>105.5</b>	<b>12790.</b>
Stddev	1.375	.13	3.2	85.
%RSD	12150.	.2011	3.026	.6659
#1	-1.537	66.47	108.0	12880.
#2	1.132	66.67	101.9	12780.
#3	.3711	66.73	106.6	12710.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2211.6</b>	<b>25654.</b>	<b>2646.0</b>
Stddev	5.6	87.	4.2
%RSD	.25361	.33923	.15858
#1	2218.0	25699.	2650.7
#2	2209.1	25708.	2644.7
#3	2207.6	25553.	2642.6

Sample Name: 460-43560-m-3-a Acquired: 8/17/2012 1:09:01 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3509.</b>	<b>1.936</b>	<b>-.3990</b>	<b>460.4</b>	<b>.0685</b>	<b>101300.</b>
Stddev	19.	1.117	.3150	1.5	.0414	136.
%RSD	.5517	57.70	78.96	.3356	60.35	.1346
#1	3520.	2.921	-.2277	461.9	.1033	101200.
#2	3487.	.7219	-.2067	460.5	.0228	101500.
#3	3521.	2.166	-.7625	458.9	.0795	101300.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1268</b>	<b>.8571</b>	<b>12.66</b>	<b>-.7872</b>	<b>2824.</b>	<b>1977.</b>
Stddev	.0196	.5204	.13	1.760	12.	61.
%RSD	15.50	60.72	1.040	223.5	.4412	3.064
#1	.1139	.6627	12.56	-1.627	2838.	2012.
#2	.1171	.4618	12.81	-1.970	2821.	1907.
#3	.1494	1.447	12.61	1.235	2814.	2011.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>24310.</b>	<b>1265.</b>	<b>22660.</b>	<b>11.46</b>	<b>.3196</b>	<b>.7896</b>
Stddev	89.	4.	19.	.54	.9610	2.148
%RSD	.3673	.3228	.0831	4.698	300.7	272.0
#1	24400.	1269.	22680.	11.57	1.178	-1.582
#2	24320.	1265.	22660.	11.93	-.7186	1.346
#3	24220.	1260.	22640.	10.87	.4994	2.604

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-m-3-a Acquired: 8/17/2012 1:09:01 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.437</b>	<b>-9.544</b>	<b>11.60</b>	<b>340.5</b>	<b>210.9</b>	<b>1.873</b>
Stddev	.234	2.850	.25	1.5	.8	.333
%RSD	6.794	298.6	2.118	.4354	.3888	17.78
#1	3.684	1.915	11.34	342.2	211.4	1.898
#2	3.407	-3.783	11.63	340.0	211.4	1.529
#3	3.220	-9.953	11.82	339.4	210.0	2.194

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.103</b>	<b>245.8</b>	<b>84.66</b>	<b>13980.</b>
Stddev	1.006	.4	.61	46.
%RSD	91.16	.1680	.7257	.3290
#1	.5674	245.4	84.78	13930.
#2	.4789	246.2	85.21	13970.
#3	2.263	245.8	84.00	14030.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2184.5</b>	<b>25243.</b>	<b>2631.4</b>
Stddev	4.5	14.	6.8
%RSD	.20706	.05546	.25843
#1	2189.4	25227.	2624.7
#2	2183.4	25251.	2638.3
#3	2180.6	25251.	2631.2

Sample Name: 460-43560-m-4-a Acquired: 8/17/2012 1:12:40 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4438.</b>	<b>2.526</b>	<b>-.1401</b>	<b>742.4</b>	<b>.0619</b>	<b>58280.</b>
Stddev	32.	.342	.8488	.2	.1874	180.
%RSD	.7195	13.54	605.9	.0277	302.7	.3085
#1	4402.	2.726	.7160	742.4	.1000	58200.
#2	4448.	2.132	-.9815	742.2	.2274	58150.
#3	4464.	2.722	-.1548	742.6	-.1416	58480.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1165</b>	<b>.9566</b>	<b>5.373</b>	<b>-5.472</b>	<b>3198.</b>	<b>2018.</b>
Stddev	.1155	.5082	.546	3.048	16.	41.
%RSD	99.13	53.13	10.16	55.70	.4970	2.014
#1	.2259	1.399	5.271	-2.355	3190.	2063.
#2	-.0043	1.069	5.962	-8.446	3189.	1985.
#3	.1279	.4015	4.885	-5.615	3217.	2005.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11920.</b>	<b>152.7</b>	<b>31450.</b>	<b>4.598</b>	<b>.0933</b>	<b>1.098</b>
Stddev	53.	.7	106.	.597	.5187	.586
%RSD	.4411	.4571	.3379	12.99	556.2	53.34
#1	11870.	151.9	31440.	5.285	.6313	1.241
#2	11920.	153.3	31340.	4.198	.0521	1.600
#3	11980.	152.9	31550.	4.311	-.4036	4544

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-m-4-a Acquired: 8/17/2012 1:12:40 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.036</b>	<b>1.027</b>	<b>11.91</b>	<b>305.8</b>	<b>165.2</b>	<b>.4032</b>
Stddev	2.140	1.466	.15	.4	.4	.2645
%RSD	70.47	142.8	1.285	.1214	.2302	65.60
#1	4.559	2.455	11.74	305.3	164.8	.6206
#2	3.959	-4739	12.00	306.0	165.6	.1087
#3	.5902	1.099	12.00	305.9	165.3	.4803

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.120</b>	<b>210.3</b>	<b>111.2</b>	<b>16240.</b>
Stddev	.714	1.1	2.7	63.
%RSD	63.76	.5269	2.465	.3898
#1	1.843	209.1	108.3	16180.
#2	1.102	210.4	113.8	16260.
#3	.4148	211.3	111.6	16300.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2201.1</b>	<b>25502.</b>	<b>2626.6</b>
Stddev	2.2	71.	14.1
%RSD	.10137	.27774	.53558
#1	2198.7	25430.	2621.8
#2	2203.1	25572.	2642.4
#3	2201.6	25503.	2615.6

Sample Name:	460-43560-m-5-a	Acquired:	8/17/2012 1:16:20	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>14260.</b>	<b>3.048</b>	<b>-.3551</b>	<b>246.3</b>	<b>.8110</b>	<b>16440.</b>
Stddev	35.	1.846	.8629	.5	.0889	57.
%RSD	.2472	60.57	243.0	.2019	10.96	.3482
#1	14260.	2.976	-1.180	246.6	.8824	16390.
#2	14220.	1.239	-.4269	246.5	.8391	16430.
#3	14290.	4.929	.5415	245.7	.7114	16500.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0245</b>	<b>5.523</b>	<b>17.34</b>	<b>2.697</b>	<b>11670.</b>	<b>3808.</b>
Stddev	.0744	.286	.40	4.611	32.	53.
%RSD	303.8	5.182	2.312	171.0	.2772	1.388
#1	.0193	5.515	16.88	4.297	11700.	3865.
#2	.0176	5.241	17.56	-2.501	11640.	3760.
#3	-.1104	5.814	17.59	6.294	11660.	3800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9367.</b>	<b>509.1</b>	<b>21280.</b>	<b>19.91</b>	<b>8.054</b>	<b>3.996</b>
Stddev	88.	2.4	4.	.17	1.522	.517
%RSD	.9444	.4656	.0210	.8642	18.90	12.95
#1	9469.	511.9	21280.	19.93	9.445	4.162
#2	9322.	507.5	21280.	20.07	8.288	4.410
#3	9311.	508.1	21280.	19.73	6.428	3.416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43560-m-5-a Acquired: 8/17/2012 1:16:20 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.979</b>	<b>.3500</b>	<b>27.67</b>	<b>188.9</b>	<b>303.0</b>	<b>.8385</b>
Stddev	1.626	.6818	.18	.6	.6	.5031
%RSD	40.87	194.8	.6618	.3384	.2039	60.00
#1	5.806	.8890	27.88	189.4	303.7	.7932
#2	3.439	-.4165	27.54	189.0	302.5	1.363
#3	2.691	.5774	27.60	188.2	302.8	.3595

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9822</b>	<b>60.16</b>	<b>320.1</b>	<b>F 26060.</b>
Stddev	1.763	.29	1.7	63.
%RSD	179.5	.4887	.5316	.2407
#1	2.036	60.20	318.6	26050.
#2	1.963	59.85	321.9	26010.
#3	-1.053	60.43	319.6	26130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2258.9</b>	<b>26142.</b>	<b>2696.7</b>
Stddev	3.0	115.	6.4
%RSD	.13224	.43799	.23768
#1	2256.8	26010.	2700.1
#2	2257.6	26211.	2689.3
#3	2262.3	26205.	2700.7

Sample Name: 460-43497-m-3-a Acquired: 8/17/2012 1:20:02 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>27410.</b>	<b>9.773</b>	<b>-1.301</b>	<b>467.0</b>	<b>1.480</b>	<b>43340.</b>
Stddev	157.	.621	.604	.4	.040	313.
%RSD	.5715	6.350	46.45	.0762	2.729	.7227
#1	27570.	9.498	-1.172	466.8	1.509	43700.
#2	27400.	10.48	-7.717	467.4	1.497	43230.
#3	27250.	9.338	-1.959	466.8	1.434	43100.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0481</b>	<b>8.361</b>	<b>31.38</b>	<b>15.58</b>	<b>22790.</b>	<b>4781.</b>
Stddev	.1168	.194	.15	3.14	85.	72.
%RSD	242.8	2.316	.4721	20.13	.3737	1.502
#1	-.1788	8.257	31.48	19.08	22880.	4711.
#2	-.0119	8.242	31.45	13.01	22790.	4776.
#3	.0463	8.584	31.21	14.66	22710.	4855.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>16700.</b>	<b>599.4</b>	<b>32740.</b>	<b>24.08</b>	<b>15.20</b>	<b>.4111</b>
Stddev	96.	2.5	209.	.45	.61	1.073
%RSD	.5746	.4241	.6380	1.853	4.027	261.1
#1	16800.	602.0	32980.	23.57	15.24	1.632
#2	16700.	599.3	32670.	24.39	14.57	-.3818
#3	16610.	596.9	32580.	24.28	15.79	-.0175

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43497-m-3-a Acquired: 8/17/2012 1:20:02 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1.560	-2.414	69.97	876.4	145.5	.4063
Stddev	1.863	1.396	.54	2.7	.6	.0706
%RSD	119.4	57.83	.7769	.3051	.4444	17.37
#1	2.471	-1.698	70.51	878.3	145.8	.3364
#2	-.5825	-4.023	69.98	877.5	145.9	.4049
#3	2.793	-1.521	69.43	873.3	144.7	.4776

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.027	122.8	471.2	F 47120.
Stddev	.451	1.2	1.6	56.
%RSD	22.26	.9810	.3388	.1181
#1	2.518	124.0	471.7	47060.
#2	1.934	122.8	472.4	47150.
#3	1.630	121.6	469.4	47150.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2224.5	25646.	2673.9
Stddev	5.8	65.	6.7
%RSD	.26143	.25395	.25151
#1	2231.2	25626.	2666.1
#2	2221.3	25594.	2678.3
#3	2221.1	25719.	2677.2

Sample Name: 460-43497-m-4-a Acquired: 8/17/2012 1:23:42 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10170.	2.381	-.9574	147.7	.5587	9584.
Stddev	12.	1.612	.9223	.7	.1922	28.
%RSD	.1197	67.69	96.33	.4676	34.40	.2921
#1	10160.	1.881	.0676	148.0	.6099	9616.
#2	10170.	1.079	-1.220	148.2	.7202	9566.
#3	10180.	4.184	-1.720	147.0	.3461	9570.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.0409	3.019	11.59	4.860	7626.	2941.
Stddev	.0557	.211	.38	2.060	27.	21.
%RSD	136.1	6.978	3.244	42.39	.3563	.7216
#1	.1040	3.184	11.16	7.233	7598.	2965.
#2	.0198	3.091	11.86	3.811	7628.	2934.
#3	-.0011	2.782	11.75	3.535	7653.	2925.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5605.	347.8	11380.	12.48	4.481	3.307
Stddev	15.	1.2	36.	.45	1.727	1.554
%RSD	.2704	.3509	.3197	3.577	38.55	47.00
#1	5593.	346.6	11420.	12.12	4.012	3.920
#2	5622.	349.0	11360.	12.98	3.037	1.540
#3	5601.	347.8	11360.	12.34	6.395	4.461

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43497-m-4-a Acquired: 8/17/2012 1:23:42 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.795</b>	<b>-2.754</b>	<b>19.20</b>	<b>296.9</b>	<b>234.0</b>	<b>.4237</b>
Stddev	1.215	2.093	.21	1.0	.3	.2760
%RSD	17.87	75.99	1.071	.3512	.1278	65.13
#1	6.465	-4.694	18.99	297.7	234.4	.5674
#2	8.140	-5.361	19.21	297.3	233.9	.5982
#3	5.780	-3.031	19.40	295.8	233.8	.1056

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.818</b>	<b>37.26</b>	<b>222.2</b>	<b>18260.</b>
Stddev	.583	.06	1.2	20.
%RSD	32.10	.1544	.5291	.1104
#1	2.379	37.22	223.2	18280.
#2	1.859	37.33	220.9	18250.
#3	1.215	37.23	222.4	18240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2247.9</b>	<b>26297.</b>	<b>2669.1</b>
Stddev	.1	33.	3.6
%RSD	.00531	.12657	.13376
#1	2247.8	26331.	2666.3
#2	2247.9	26264.	2668.0
#3	2248.0	26296.	2673.1

Sample Name: 460-43497-I-5-a Acquired: 8/17/2012 1:27:25 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	63400.	13.41	-.3866	1079.	4.709	125900.
Stddev	238.	2.26	.2873	1.	.076	507.
%RSD	.3749	16.82	74.33	.0738	1.612	.4028

#1	63290.	12.43	-.3591	1078.	4.762	125800.
#2	63670.	11.81	-.6867	1080.	4.622	126500.
#3	63240.	16.00	-.1140	1078.	4.743	125500.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-2102	26.32	65.03	31.72	50300.	9707.
Stddev	.0991	.61	.62	2.60	76.	36.
%RSD	47.16	2.309	.9513	8.198	.1515	.3743

#1	-.3005	25.84	65.08	28.73	50290.	9666.
#2	-.2261	26.11	64.39	33.42	50220.	9736.
#3	-.1041	27.00	65.62	33.03	50370.	9720.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	38660.	2896.	22650.	66.66	39.96	4.547
Stddev	59.	5.	87.	.48	.90	2.557
%RSD	.1526	.1777	.3843	.7249	2.263	56.23

#1	38620.	2902.	22580.	66.16	39.06	2.447
#2	38630.	2894.	22750.	66.67	39.95	7.394
#3	38720.	2892.	22620.	67.13	40.87	3.801

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43497-I-5-a Acquired: 8/17/2012 1:27:25 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.700	-3.793	137.8	210.1	206.1	1.574
Stddev	2.402	2.567	1.0	.4	.2	.283
%RSD	88.95	67.68	.7002	.2090	.0830	18.00

#1	.6939	-1.739	137.9	210.3	206.3	1.875
#2	5.362	-2.969	136.8	210.5	205.9	1.535
#3	2.045	-6.671	138.7	209.6	206.1	1.312

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	2.998	331.5	622.0	F 83210.
Stddev	.599	1.7	3.7	137.
%RSD	19.99	.5042	.5984	.1640

#1	3.258	331.0	618.0	83290.
#2	2.313	333.4	622.9	83290.
#3	3.424	330.2	625.3	83050.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2266.1	26034.	2737.7
Stddev	2.7	54.	12.4
%RSD	.11890	.20833	.45443

#1	2265.7	25976.	2746.3
#2	2263.7	26083.	2723.4
#3	2269.0	26043.	2743.3

Sample Name: 460-43497-m-6-a Acquired: 8/17/2012 1:31:06 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>36980.</b>	<b>9.419</b>	<b>-1.424</b>	<b>701.2</b>	<b>2.655</b>	<b>46130.</b>
Stddev	78.	1.335	1.276	1.0	.142	81.
%RSD	.2117	14.18	89.61	.1470	5.335	.1747
#1	37010.	10.82	-.5690	702.3	2.771	46060.
#2	37040.	9.281	-2.890	701.1	2.696	46220.
#3	36890.	8.157	-.8119	700.3	2.497	46120.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0163</b>	<b>16.12</b>	<b>42.90</b>	<b>18.46</b>	<b>31250.</b>	<b>6169.</b>
Stddev	.2425	.27	.46	3.23	45.	85.
%RSD	1492.	1.695	1.081	17.51	.1454	1.375
#1	.1523	16.04	42.74	16.54	31220.	6260.
#2	-.2638	16.42	43.43	22.19	31310.	6093.
#3	.1602	15.89	42.54	16.64	31240.	6155.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>15060.</b>	<b>1533.</b>	<b>12540.</b>	<b>43.07</b>	<b>24.75</b>	<b>.4460</b>
Stddev	21.	1.	16.	.38	1.59	4.885
%RSD	.1394	.0874	.1250	.8856	6.406	1095.
#1	15040.	1531.	12550.	43.29	22.92	-2.182
#2	15060.	1533.	12560.	42.63	25.70	6.083
#3	15080.	1533.	12530.	43.29	25.63	-2.563

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43497-m-6-a Acquired: 8/17/2012 1:31:06 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>4.285</b>	<b>-4.914</b>	<b>84.85</b>	<b>337.4</b>	<b>197.1</b>	<b>1.299</b>
Stddev	3.705	.190	.33	1.2	.6	.335
%RSD	86.46	3.856	.3872	.3587	.3210	25.78
#1	6.809	-5.048	85.00	338.8	196.7	1.685
#2	6.015	-4.996	84.47	336.9	197.8	1.079
#3	.0317	-4.697	85.08	336.5	196.8	1.134

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.350</b>	<b>163.5</b>	<b>516.6</b>	<b>F 54750.</b>
Stddev	.208	.5	2.9	430.
%RSD	8.870	.3065	.5708	.7861
#1	2.112	164.0	519.6	55210.
#2	2.496	163.6	513.7	54690.
#3	2.443	163.0	516.5	54360.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				20000.
Low Limit				-200.0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2268.9</b>	<b>26322.</b>	<b>2721.0</b>
Stddev	4.9	50.	8.6
%RSD	.21453	.18884	.31749
#1	2263.9	26279.	2727.9
#2	2273.7	26310.	2723.8
#3	2269.0	26376.	2711.3

Sample Name: 460-43417-d-1-a Acquired: 8/17/2012 1:34:45 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>106.1</b>	<b>1.147</b>	<b>-.0544</b>	<b>55.18</b>	<b>-.0545</b>	<b>65230.</b>
Stddev	26.3	1.423	.8234	.38	.0113	343.
%RSD	24.75	124.1	1514.	.6936	20.72	.5261
#1	135.0	-.3338	-.7427	55.62	-.0418	65270.
#2	83.52	1.271	-.2783	54.99	-.0580	65550.
#3	99.94	2.505	.8578	54.93	-.0636	64870.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0410</b>	<b>-.1698</b>	<b>.3310</b>	<b>-4.148</b>	<b>132.7</b>	<b>6908.</b>
Stddev	.0100	.3187	.2625	2.161	12.1	41.
%RSD	24.31	187.6	79.31	52.10	9.126	.5954
#1	-.0389	.1645	.5321	-1.827	138.4	6871.
#2	-.0519	-.4701	.0340	-4.516	141.0	6902.
#3	-.0323	-.2040	.4270	-6.102	118.8	6952.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11920.</b>	<b>15.94</b>	<b>25200.</b>	<b>.0099</b>	<b>-2.155</b>	<b>1.770</b>
Stddev	58.	.09	39.	.3726	.373	.877
%RSD	.4849	.5880	.1544	3781.	17.29	49.55
#1	11980.	16.02	25220.	.2906	-1.838	1.315
#2	11930.	15.97	25230.	.1518	-2.062	2.781
#3	11860.	15.84	25160.	-.4128	-2.566	1.214

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43417-d-1-a Acquired: 8/17/2012 1:34:45 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9628	-2.625	1.281	1.232	45.24	.8905
Stddev	2.291	1.535	.392	.212	.21	.5975
%RSD	238.0	58.47	30.60	17.22	.4689	67.09
#1	3.261	-3.600	1.120	1.022	45.39	1.536
#2	-1.321	-.8558	1.728	1.228	45.33	.3569
#3	.9491	-3.420	.9949	1.447	45.00	.7787

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.206	681.9	5.956	1967.
Stddev	.533	2.0	1.883	22.
%RSD	44.22	.3006	31.61	1.131
#1	1.379	683.9	3.802	1989.
#2	1.630	682.0	7.287	1945.
#3	.6073	679.8	6.779	1965.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2184.4	25413.	2642.1
Stddev	14.2	87.	8.2
%RSD	.65202	.34268	.30957
#1	2168.1	25324.	2647.0
#2	2191.0	25416.	2632.6
#3	2194.2	25498.	2646.5

Sample Name: CCV Acquired: 8/17/2012 1:38:32 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	2426.	1217.	9733.	967.6	124200.
Stddev	357.	6.	3.	15.	4.2	465.
%RSD	.2914	.2547	.2873	.1590	.4332	.3744

#1	122400.	2423.	1214.	9728.	965.7	123700.
#2	123000.	2434.	1217.	9751.	972.5	124500.
#3	122500.	2422.	1221.	9721.	964.8	124400.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1223.	2438.	4928.	12310.	98830.	48670.
Stddev	2.	4.	8.	49.	179.	192.
%RSD	.1464	.1456	.1574	.3987	.1811	.3944

#1	1223.	2436.	4927.	12260.	98710.	48450.
#2	1226.	2442.	4936.	12310.	99040.	48810.
#3	1222.	2437.	4921.	12360.	98760.	48750.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	122600.	4994.	122500.	2458.	7444.	967.3
Stddev	74.	8.	250.	3.	8.	8.0
%RSD	.0606	.1664	.2038	.1268	.1139	.8251

#1	122600.	4993.	122500.	2457.	7437.	968.7
#2	122700.	5002.	122800.	2462.	7454.	974.4
#3	122600.	4985.	122300.	2457.	7443.	958.7

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/17/2012 1:38:32 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2426.	2458.	2442.	2444.	961.3	2414.
Stddev	6.	4.	4.	2.	2.1	7.
%RSD	.2363	.1540	.1476	.0955	.2199	.3081

#1	2420.	2462.	2439.	2442.	959.1	2406.
#2	2427.	2459.	2446.	2447.	961.5	2421.
#3	2431.	2454.	2441.	2443.	963.4	2415.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	976.8	4932.	9757.	9613.
Stddev	1.2	18.	28.	15.
%RSD	.1227	.3678	.2863	.1549

#1	975.5	4912.	9725.	9595.
#2	977.5	4946.	9774.	9620.
#3	977.6	4940.	9772.	9622.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2069.0	23896.	2571.9
Stddev	4.2	43.	8.2
%RSD	.20311	.18095	.31756

#1	2073.5	23913.	2579.0
#2	2068.2	23847.	2573.7
#3	2065.3	23928.	2563.0

Sample Name: CCB Acquired: 8/17/2012 1:41:57 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	12.67	1.103	.4041	.5683	-.0228	3.819
Stddev	35.89	2.719	.3277	.8124	.0903	19.26
%RSD	283.3	246.5	81.10	143.0	396.5	504.3
#1	53.49	2.256	.0661	1.491	.0713	25.34
#2	-13.90	3.056	.7205	.2528	-.0309	-2.088
#3	-1.595	-2.003	.4257	-.0391	-.1088	-11.79

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1286	-.0239	1.339	-.5461	22.42	38.24
Stddev	.0678	.1637	.546	2.189	24.43	71.31
%RSD	52.71	685.8	40.81	40.08	109.0	186.5
#1	.2047	.1311	1.954	-5.170	49.42	120.6
#2	.0747	-.0076	.9078	-7.781	1.819	-1.410
#3	.1065	-.1952	1.156	-3.432	16.03	-4.427

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	13.38	.4823	1.227	.0441	-.2331	2.100
Stddev	16.83	.5300	31.06	.3917	.6686	1.191
%RSD	125.7	109.9	2532.	888.0	286.8	56.74
#1	30.21	1.081	33.88	.4641	-.1010	3.262
#2	13.38	.2905	-27.95	-.3111	-.9579	2.157
#3	-3.442	.0749	-2.253	-.0207	.3596	.8811

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/17/2012 1:41:57 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9571	-6859	.5396	.4500	2.445	3.560
Stddev	1.642	2.845	.6996	.3699	1.782	1.786
%RSD	171.6	414.8	129.7	82.19	72.90	50.16
#1	-.1025	-1.373	1.317	.8387	4.475	5.612
#2	.1254	-3.125	.3410	.4089	1.716	2.711
#3	2.849	2.440	-.0393	.1024	1.143	2.358

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	1.304	.7834	2.585	10.27
Stddev	.515	.6889	1.541	34.07
%RSD	39.52	87.95	59.63	331.8
#1	1.820	1.578	3.664	49.55
#2	1.302	.4081	3.270	-11.24
#3	.7892	.3636	.8196	-7.502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2208.1	26093.	2632.6
Stddev	4.2	61.	5.6
%RSD	.18813	.23339	.21322
#1	2203.7	26028.	2627.1
#2	2208.5	26149.	2632.4
#3	2212.0	26101.	2638.3

Sample Name: 460-43417-d-6-a Acquired: 8/17/2012 1:45:50 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>935.2</b>	<b>2.878</b>	<b>-.9779</b>	<b>20.48</b>	<b>-.0849</b>	<b>11590.</b>
Stddev	14.4	.806	.9710	.11	.2104	29.
%RSD	1.535	28.01	99.29	.5571	247.7	.2487
#1	921.6	2.410	-1.729	20.36	-.3157	11620.
#2	950.2	3.808	-1.324	20.58	.0965	11560.
#3	933.8	2.414	.1187	20.52	-.0356	11580.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2980</b>	<b>.8427</b>	<b>3.317</b>	<b>-6.965</b>	<b>6208.</b>	<b>5450.</b>
Stddev	.1115	.2809	.572	1.643	14.	82.
%RSD	37.41	33.34	17.25	23.58	.2243	1.501
#1	.2775	.5208	3.905	-5.224	6199.	5445.
#2	.1981	1.039	3.285	-7.184	6224.	5371.
#3	.4183	.9687	2.762	-8.487	6200.	5534.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2030.</b>	<b>77.12</b>	<b>5310.</b>	<b>6.109</b>	<b>1.184</b>	<b>2.338</b>
Stddev	4.	.13	22.	.158	.643	2.205
%RSD	.2105	.1711	.4199	2.583	54.36	94.33
#1	2031.	77.26	5314.	5.938	1.864	4.247
#2	2034.	77.01	5330.	6.248	.5853	-.0764
#3	2026.	77.08	5286.	6.141	1.102	2.843

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43417-d-6-a Acquired: 8/17/2012 1:45:50 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.3408	-3.913	1.147	20.26	18.96	1.132
Stddev	3.954	2.522	.431	.28	.52	.491
%RSD	1160.	644.5	37.63	1.395	2.724	43.34
#1	4.538	2.493	.6503	20.52	18.54	1.456
#2	-.2020	-2.183	1.432	20.29	19.54	1.373
#3	-3.313	-1.484	1.358	19.96	18.81	.5675

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.4786	210.1	14.85	4218.
Stddev	.6431	.3	3.06	7.
%RSD	134.4	.1645	20.63	.1592
#1	1.057	210.0	12.29	4226.
#2	-.2141	210.4	18.24	4214.
#3	.5933	209.8	14.02	4215.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2236.4	26196.	2668.6
Stddev	7.5	93.	5.5
%RSD	.33460	.35432	.20630
#1	2240.0	26289.	2663.0
#2	2241.4	26103.	2668.8
#3	2227.8	26196.	2674.0

Sample Name:	460-43560-I-4-b du	Acquired:	8/17/2012 1:49:37	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21.94</b>	<b>1.773</b>	<b>-1.177</b>	<b>695.0</b>	<b>-.2328</b>	<b>58550.</b>
Stddev	31.66	2.976	.918	2.9	.1226	285.
%RSD	144.3	167.9	77.98	.4110	52.66	.4866
#1	55.99	4.856	-.1806	697.1	-.1280	58280.
#2	-6.601	1.544	-1.988	696.1	-.3676	58850.
#3	16.43	-1.082	-1.363	691.7	-.2027	58530.

Check ?	Chk Pass					
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0427</b>	<b>-.4354</b>	<b>.3432</b>	<b>-6.307</b>	<b>-4.335</b>	<b>1103.</b>
Stddev	.0682	.1502	.1487	6.723	14.59	47.
%RSD	159.5	34.49	43.33	106.6	336.6	4.243
#1	.0756	-.4765	.2115	1.123	11.63	1126.
#2	.0883	-.2689	.5045	-11.97	-16.98	1134.
#3	-.0356	-.5607	.3135	-8.070	-7.657	1049.

Check ?	Chk Pass					
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11480.</b>	<b>49.82</b>	<b>33010.</b>	<b>.9966</b>	<b>.8010</b>	<b>1.296</b>
Stddev	40.	.21	112.	.2150	1.585	1.735
%RSD	.3479	.4174	.3395	21.57	197.9	133.9
#1	11510.	49.69	32910.	.7574	.4466	.1625
#2	11480.	50.06	33130.	1.059	-.5766	.4324
#3	11430.	49.71	33000.	1.174	2.533	3.294

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-I-4-b du Acquired: 8/17/2012 1:49:37 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.253</b>	<b>-1.644</b>	<b>3.516</b>	<b>395.2</b>	<b>162.6</b>	<b>.3349</b>
Stddev	1.984	2.387	.560	1.2	.8	.1780
%RSD	31.72	145.2	15.92	.3069	.5153	53.13
#1	7.258	-4.256	3.138	396.4	163.6	.4276
#2	7.533	-1.103	3.252	395.2	162.3	.1298
#3	3.968	.4261	4.159	394.0	162.0	.4474

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.8134</b>	<b>206.5</b>	<b>4.008</b>	<b>10200.</b>
Stddev	.4960	.4	.157	70.
%RSD	60.98	.1925	3.919	.6892
#1	.8983	206.3	4.085	10250.
#2	.2804	206.9	3.827	10120.
#3	1.261	206.2	4.112	10240.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2194.3</b>	<b>25526.</b>	<b>2640.3</b>
Stddev	2.7	40.	17.6
%RSD	.12083	.15670	.66805
#1	2192.8	25520.	2653.7
#2	2197.3	25489.	2620.4
#3	2192.7	25569.	2646.9

Sample Name: 460-43560-I-4-a Acquired: 8/17/2012 1:53:23 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20.57</b>	<b>3.545</b>	<b>-.3728</b>	<b>684.1</b>	<b>.0095</b>	<b>57920.</b>
Stddev	11.27	2.631	.8231	3.5	.1731	95.
%RSD	54.77	74.22	220.8	.5077	1814.	.1634

#1	16.40	.5217	-1.321	687.4	.1370	57840.
#2	33.33	5.316	.1586	684.2	-.1875	58020.
#3	11.99	4.798	.0440	680.5	.0791	57890.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0136</b>	<b>-.5804</b>	<b>.8380</b>	<b>-3.166</b>	<b>6.968</b>	<b>1099.</b>
Stddev	.0239	.3528	.3349	.282	9.256	94.
%RSD	176.4	60.79	39.96	8.918	132.8	8.577

#1	-.0077	-.9827	.6678	-2.938	13.16	1184.
#2	.0395	-.3238	1.224	-3.482	-3.672	997.6
#3	.0089	-.4346	.6224	-3.078	11.41	1114.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11240.</b>	<b>48.98</b>	<b>32570.</b>	<b>.6815</b>	<b>-.9164</b>	<b>2.618</b>
Stddev	30.	.15	90.	.2929	1.015	1.173
%RSD	.2646	.3018	.2771	42.98	110.7	44.82

#1	11250.	48.98	32510.	.7142	-1.130	2.679
#2	11270.	48.84	32670.	.9566	-1.807	3.759
#3	11210.	49.13	32520.	.3736	.1880	1.415

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-I-4-a Acquired: 8/17/2012 1:53:23 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3137</b>	<b>-1.374</b>	<b>3.503</b>	<b>388.4</b>	<b>159.8</b>	<b>.4755</b>
Stddev	1.999	1.299	.530	2.1	1.8	.1174
%RSD	637.2	94.57	15.14	.5393	1.143	24.69
#1	-.5573	.0639	3.997	389.7	158.4	.4507
#2	-2.179	-1.721	2.943	389.6	161.9	.3724
#3	1.796	-2.463	3.569	386.0	159.1	.6033

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>2.133</b>	<b>203.2</b>	<b>3.936</b>	<b>10110.</b>
Stddev	.017	1.6	1.140	82.
%RSD	.7853	.7807	28.96	.8098
#1	2.127	201.9	2.629	10050.
#2	2.152	202.7	4.456	10070.
#3	2.120	204.9	4.722	10200.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2186.1</b>	<b>25431.</b>	<b>2624.6</b>
Stddev	4.7	16.	7.9
%RSD	.21297	.06142	.30281
#1	2182.3	25414.	2621.9
#2	2184.6	25434.	2618.4
#3	2191.3	25444.	2633.6

Sample Name: sd 460-43560-I-4-a@5 Acquired: 8/17/2012 1:57:08 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>12.43</b>	<b>1.427</b>	<b>-.9508</b>	<b>137.6</b>	<b>-.1397</b>	<b>11600.</b>
Stddev	18.87	2.604	.9856	1.5	.1289	123.
%RSD	151.8	182.5	103.7	1.125	92.31	1.057
#1	28.58	4.378	-2.068	139.3	-.1357	11570.
#2	-8.314	.4546	-.5783	137.2	-.2705	11740.
#3	17.03	-.5511	-.2058	136.3	-.0128	11500.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0899</b>	<b>-.2470</b>	<b>-.2697</b>	<b>-8.067</b>	<b>25.39</b>	<b>224.8</b>
Stddev	.0423	.2295	.0930	3.027	2.04	16.0
%RSD	47.06	92.91	34.49	37.52	8.017	7.129
#1	.0465	.0048	-.1894	-10.97	26.73	206.6
#2	.0923	-.3015	-.2480	-4.933	23.05	236.8
#3	.1310	-.4444	-.3716	-8.293	26.40	231.0

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2296.</b>	<b>9.851</b>	<b>6526.</b>	<b>.0705</b>	<b>-.6637</b>	<b>-1.379</b>
Stddev	11.	.053	50.	.2300	.9871	2.519
%RSD	.4904	.5353	.7693	326.0	148.7	182.7
#1	2284.	9.853	6532.	.1170	-1.701	.9785
#2	2305.	9.902	6573.	.2737	-.5547	-4.034
#3	2299.	9.797	6473.	-.1791	.2645	-1.081

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: sd 460-43560-I-4-a@5 Acquired: 8/17/2012 1:57:08 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.867</b>	<b>-2.057</b>	<b>1.288</b>	<b>81.84</b>	<b>33.24</b>	<b>.4784</b>
Stddev	.775	1.319	.540	.89	.82	.1256
%RSD	20.03	64.12	41.93	1.083	2.473	26.26
#1	3.733	-2.735	.9616	82.86	34.05	.3953
#2	3.169	-.5367	1.911	81.39	32.41	.4170
#3	4.700	-2.898	.9907	81.26	33.28	.6229

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>-.1581</b>	<b>40.69</b>	<b>.8832</b>	<b>1940.</b>
Stddev	.3252	.47	1.100	9.
%RSD	205.8	1.159	124.5	.4880
#1	.1411	40.26	-.3725	1930.
#2	-.1110	41.20	1.346	1941.
#3	-.5043	40.63	1.676	1948.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2218.8</b>	<b>26019.</b>	<b>2649.5</b>
Stddev	12.6	80.	19.7
%RSD	.56752	.30932	.74277
#1	2204.3	26012.	2651.2
#2	2225.9	25943.	2629.0
#3	2226.3	26103.	2668.3

Sample Name:	460-43560-I-4-c.ms	Acquired:	8/17/2012 2:00:59	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1921.	1910.	46.62	2599.	47.82	75980.
Stddev	52.	13.	.83	9.	.36	377.
%RSD	2.693	.6772	1.790	.3334	.7555	.4965
#1	1911.	1921.	47.11	2602.	47.83	76040.
#2	1977.	1914.	45.66	2605.	48.17	76320.
#3	1875.	1896.	47.10	2589.	47.45	75570.

Check ?	Chk Pass	Chk Pass				
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.46	476.3	197.0	237.8	995.5	19790.
Stddev	.25	2.5	.6	5.2	13.2	81.
%RSD	.5083	.5292	.2907	2.187	1.327	.4102
#1	48.66	478.1	197.6	243.8	1009.	19700.
#2	48.53	477.4	196.7	234.9	982.1	19850.
#3	48.18	473.4	196.6	234.7	995.9	19830.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30060.	545.1	50920.	484.7	488.3	468.6
Stddev	26.	2.8	147.	2.0	2.1	5.7
%RSD	.0850	.5187	.2878	.4064	.4277	1.217
#1	30080.	546.5	50940.	485.6	486.4	470.3
#2	30070.	546.9	51060.	486.0	488.0	473.3
#3	30030.	541.8	50770.	482.4	490.5	462.2

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-I-4-c.ms Acquired: 8/17/2012 2:00:59 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1854.	1998.	483.6	863.8	628.0	476.8
Stddev	9.	7.	.9	3.7	1.6	1.9
%RSD	.5113	.3528	.1919	.4312	.2609	.4076
#1	1846.	1997.	482.7	866.3	628.7	476.5
#2	1864.	2005.	484.6	865.5	629.2	478.8
#3	1850.	1991.	483.4	859.5	626.1	475.0

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	491.2	661.8	490.7	10140.
Stddev	3.4	1.7	.9	20.
%RSD	.6917	.2578	.1872	.1952
#1	494.0	662.9	490.2	10140.
#2	492.3	662.8	491.8	10160.
#3	487.4	659.9	490.1	10130.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2164.8	25101.	2636.0
Stddev	.5	54.	7.8
%RSD	.02385	.21558	.29724
#1	2164.7	25101.	2627.7
#2	2164.3	25047.	2637.0
#3	2165.3	25156.	2643.3

Sample Name:	pds 460-43560-I-4-a	Acquired:	8/17/2012 2:04:30	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1966.	1907.	46.52	2595.	47.83	76340.
Stddev	14.	14.	1.01	17.	.38	350.
%RSD	.6932	.7246	2.162	.6636	.7925	.4590
#1	1969.	1922.	46.82	2614.	48.00	76230.
#2	1978.	1896.	47.35	2590.	48.11	76740.
#3	1951.	1903.	45.40	2580.	47.40	76060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.34	475.3	195.1	233.6	995.3	19980.
Stddev	.43	3.6	1.9	1.2	6.1	121.
%RSD	.8907	.7644	.9684	.5177	.6128	.6039
#1	48.83	479.4	193.2	234.5	999.0	19850.
#2	48.03	474.1	196.9	234.1	998.5	20090.
#3	48.15	472.5	195.2	232.2	988.2	20000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	29700.	543.4	50950.	483.3	485.0	464.9
Stddev	297.	6.0	303.	4.1	5.8	3.0
%RSD	1.001	1.109	.5947	.8450	1.186	.6412
#1	29390.	536.5	51050.	487.9	490.3	466.6
#2	29980.	547.8	51200.	481.8	485.7	466.5
#3	29710.	546.0	50610.	480.1	478.8	461.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: pds 460-43560-l-4-a Acquired: 8/17/2012 2:04:30 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1843.	1994.	480.5	862.0	627.4	476.7
Stddev	17.	14.	6.8	5.9	3.3	3.5
%RSD	.9295	.7211	1.425	.6898	.5257	.7444
#1	1863.	2007.	472.9	868.6	631.0	480.5
#2	1833.	1996.	486.1	860.3	624.7	476.2
#3	1833.	1979.	482.6	857.1	626.4	473.5

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	490.5	663.7	492.9	10140.
Stddev	3.6	4.3	4.1	127.
%RSD	.7352	.6509	.8390	1.254
#1	494.5	664.4	496.0	10180.
#2	489.2	667.6	494.6	10250.
#3	487.7	659.0	488.2	10000.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2154.9	25044.	2617.6
Stddev	6.8	101.	5.5
%RSD	.31370	.40521	.21163
#1	2147.5	25157.	2617.4
#2	2160.8	24961.	2612.2
#3	2156.3	25014.	2623.3

Sample Name: 460-43469-k-1-a Acquired: 8/17/2012 2:08:01 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-11.72	3.882	-.8729	195.2	-.2011	22230.
Stddev	31.13	1.055	.3699	.4	.1629	71.
%RSD	265.6	27.17	42.38	.2259	81.01	.3214
#1	-43.60	3.703	-.8968	195.3	-.0786	22150.
#2	-10.18	2.928	-1.230	195.5	-.1387	22230.
#3	18.61	5.015	-.4916	194.7	-.3859	22290.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1686	.1373	1.464	-1.532	-.1866	1289.
Stddev	.0759	.2513	.361	3.583	10.70	38.
%RSD	45.03	183.0	24.65	234.0	5736.	2.918
#1	.1721	.3244	1.876	2.027	1.753	1332.
#2	.0910	.2358	1.203	-5.139	9.415	1261.
#3	.2428	-.1483	1.314	-1.483	-11.73	1276.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57 }	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9412.	48.15	48130.	6.301	-1.471	2.472
Stddev	22.	.16	137.	.480	.175	.645
%RSD	.2340	.3233	.2851	7.614	11.93	26.08
#1	9386.	48.00	47990.	6.118	-1.673	2.200
#2	9422.	48.31	48130.	5.941	-1.377	3.208
#3	9427.	48.16	48270.	6.846	-1.362	2.008

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-k-1-a Acquired: 8/17/2012 2:08:01 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.842</b>	<b>-1.138</b>	<b>1.793</b>	<b>642.7</b>	<b>169.3</b>	<b>.5590</b>
Stddev	2.626	.847	.178	1.7	.2	.2941
%RSD	68.35	74.47	9.926	.2599	.1258	52.61
#1	6.681	-1.574	1.887	641.7	169.5	.8676
#2	3.341	-1.1613	1.905	644.6	169.1	.2819
#3	1.502	-1.678	1.588	641.7	169.3	.5276

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.817</b>	<b>63.31</b>	<b>1.333</b>	<b>8037.</b>
Stddev	.204	.18	1.961	27.
%RSD	11.26	.2881	147.1	.3362
#1	2.042	63.10	-6062	8031.
#2	1.642	63.36	3.314	8066.
#3	1.766	63.46	1.291	8013.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2194.5</b>	<b>25584.</b>	<b>2630.8</b>
Stddev	1.6	24.	6.7
%RSD	.07357	.09411	.25542
#1	2194.5	25609.	2638.4
#2	2192.9	25583.	2628.4
#3	2196.2	25560.	2625.6

Sample Name: 460-43469-k-2-a Acquired: 8/17/2012 2:11:49 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.830</b>	<b>.8551</b>	<b>.0520</b>	<b>227.9</b>	<b>.0269</b>	<b>42000.</b>
Stddev	28.17	.8803	.1848	.6	.0345	322.
%RSD	286.6	102.9	355.5	.2844	128.5	.7668
#1	-10.20	-.0721	-.1345	228.1	.0267	42370.
#2	42.04	1.680	.0554	228.4	-.0076	41800.
#3	-2.348	.9578	.2350	227.2	.0614	41830.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0655</b>	<b>-.3552</b>	<b>.9038</b>	<b>-11.28</b>	<b>15.01</b>	<b>892.3</b>
Stddev	.0603	.1290	.3824	1.51	7.07	66.6
%RSD	92.05	36.32	42.31	13.43	47.07	7.462
#1	.0276	-.2953	.6670	-11.18	17.72	968.5
#2	.1351	-.2670	.6994	-9.813	6.993	863.0
#3	.0339	-.5032	1.345	-12.84	20.32	845.4

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>11140.</b>	<b>25.11</b>	<b>27820.</b>	<b>.5888</b>	<b>-.8849</b>	<b>1.600</b>
Stddev	41.	.10	181.	.3297	1.293	1.795
%RSD	.3678	.4101	.6499	56.01	146.1	112.2
#1	11090.	25.14	28030.	.5474	.2990	2.885
#2	11180.	25.20	27720.	.2816	-2.265	-.4514
#3	11140.	25.00	27720.	.9372	-.6887	2.366

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-k-2-a Acquired: 8/17/2012 2:11:49 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.582</b>	<b>.0941</b>	<b>4.445</b>	<b>147.8</b>	<b>106.8</b>	<b>.2602</b>
Stddev	.360	3.354	.227	.5	1.1	.0438
%RSD	22.79	3565.	5.117	.3304	1.012	16.81
#1	1.857	-2.207	4.197	147.9	107.4	.3099
#2	1.714	-1.453	4.494	148.3	107.5	.2434
#3	1.174	3.943	4.643	147.3	105.6	.2273

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.145</b>	<b>109.6</b>	<b>3.450</b>	<b>10720.</b>
Stddev	1.131	.8	1.559	26.
%RSD	98.80	.7695	45.19	.2448
#1	1.043	110.5	2.773	10720.
#2	.0679	108.8	5.233	10740.
#3	2.323	109.5	2.344	10690.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2200.5</b>	<b>25614.</b>	<b>2643.2</b>
Stddev	2.7	75.	17.4
%RSD	.12287	.29361	.65646
#1	2200.0	25691.	2623.2
#2	2203.4	25541.	2654.3
#3	2198.1	25610.	2652.0

Sample Name: 460-43469-k-3-a Acquired: 8/17/2012 2:15:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>55.91</b>	<b>2.897</b>	<b>-.4286</b>	<b>553.8</b>	<b>-.1420</b>	<b>84230.</b>
Stddev	19.89	.647	.1750	1.6	.1158	138.
%RSD	35.58	22.32	40.84	.2867	81.54	.1641
#1	38.64	2.159	-.6306	555.3	-.1896	84070.
#2	51.44	3.169	-.3197	554.0	-.2265	84340.
#3	77.66	3.364	-.3356	552.2	-.0100	84260.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0945</b>	<b>-.3841</b>	<b>.3266</b>	<b>-4.617</b>	<b>31.28</b>	<b>1036.</b>
Stddev	.0459	.8005	.9876	3.615	11.26	123.
%RSD	48.57	208.4	302.3	78.29	35.99	11.91
#1	.0419	.4114	-.7333	-3.461	28.96	902.9
#2	.1149	-1.190	1.221	-8.668	21.36	1058.
#3	.1266	-.3741	.4923	-1.722	43.51	1147.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>13330.</b>	<b>14.69</b>	<b>23850.</b>	<b>.2098</b>	<b>-1.805</b>	<b>2.253</b>
Stddev	25.	.05	40.	.4279	.608	.903
%RSD	.1848	.3623	.1664	203.9	33.68	40.07
#1	13300.	14.75	23800.	-.0106	-2.179	1.318
#2	13350.	14.68	23860.	.7030	-2.132	3.120
#3	13340.	14.65	23880.	-.0629	-1.103	2.321

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-k-3-a Acquired: 8/17/2012 2:15:34 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.648</b>	<b>.3515</b>	<b>4.103</b>	<b>131.0</b>	<b>107.9</b>	<b>.3820</b>
Stddev	2.238	1.909	.097	.1	1.0	.2068
%RSD	61.34	543.3	2.369	.0673	.9287	54.14
#1	6.185	2.265	4.098	131.1	108.8	.6092
#2	2.803	-1.554	4.203	130.9	106.8	.3321
#3	1.956	.3440	4.009	130.9	107.9	.2048

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9071</b>	<b>246.6</b>	<b>5.772</b>	<b>10690.</b>
Stddev	1.070	1.5	.648	42.
%RSD	118.0	.6133	11.22	.3881
#1	.8399	244.9	6.479	10650.
#2	-.1278	247.6	5.209	10730.
#3	2.009	247.3	5.628	10700.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2187.0</b>	<b>25434.</b>	<b>2635.2</b>
Stddev	1.9	79.	6.5
%RSD	.08899	.30894	.24707
#1	2184.8	25519.	2637.8
#2	2188.5	25421.	2640.0
#3	2187.8	25363.	2627.8

Sample Name: lcs 460-124286/2-a Acquired: 8/17/2012 2:19:21 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1881.	1870.	47.41	1913.	47.11	19600.
Stddev	31.	2.	.68	2.	.16	36.
%RSD	1.627	.1212	1.440	.0784	.3362	.1812
#1	1879.	1872.	46.67	1914.	47.28	19570.
#2	1852.	1869.	48.01	1911.	47.07	19590.
#3	1913.	1868.	47.56	1912.	46.97	19630.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	48.36	477.4	195.6	232.1	986.1	18770.
Stddev	.42	1.5	3.0	4.5	13.6	36.
%RSD	.8695	.3170	1.551	1.935	1.382	.1944
#1	48.72	478.5	199.0	233.9	1001.	18760.
#2	48.47	478.1	193.5	227.0	974.0	18750.
#3	47.90	475.7	194.2	235.5	983.3	18810.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	18870.	498.7	19060.	487.0	490.4	458.0
Stddev	91.	2.8	11.	1.1	1.3	.5
%RSD	.4822	.5697	.0574	.2355	.2548	.1081
#1	18970.	501.6	19050.	488.1	489.6	458.5
#2	18840.	498.6	19060.	487.0	489.9	457.9
#3	18800.	495.9	19070.	485.8	491.9	457.5

Check ?	Chk Pass					
Value Range						

Sample Name: lcs 460-124286/2-a Acquired: 8/17/2012 2:19:21 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1829.	2018.	474.9	478.6	462.1	471.9
Stddev	4.	4.	3.3	.6	2.1	.4
%RSD	.2412	.1957	.6992	.1328	.4481	.0817
#1	1825.	2016.	478.7	479.3	462.2	472.2
#2	1834.	2022.	473.5	478.2	459.9	471.9
#3	1829.	2015.	472.5	478.2	464.1	471.5

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	487.8	461.8	481.3	F 40.65
Stddev	2.0	2.3	1.4	9.68
%RSD	.4107	.5072	.2874	23.81
#1	489.3	461.1	481.6	45.80
#2	485.5	460.0	479.8	46.67
#3	488.5	464.5	482.5	29.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value Range				2000. -15.00%

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2195.2	25498.	2638.5
Stddev	2.0	78.	13.3
%RSD	.08915	.30582	.50481
#1	2197.3	25419.	2637.3
#2	2194.9	25501.	2652.4
#3	2193.4	25575.	2625.8

Sample Name: CCV Acquired: 8/17/2012 2:22:56 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	120500.	2404.	1205.	9611.	951.7	121500.
Stddev	385.	3.	3.	21.	3.7	322.
%RSD	.3200	.1133	.2274	.2177	.3891	.2648

#1	120000.	2406.	1201.	9599.	949.6	121300.
#2	120600.	2404.	1206.	9599.	949.5	121500.
#3	120700.	2401.	1207.	9635.	955.9	121900.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	1210.	2406.	4868.	12000.	97660.	47700.
Stddev	4.	4.	14.	20.	340.	135.
%RSD	.2959	.1780	.2897	.1698	.3484	.2821

#1	1207.	2402.	4852.	11980.	97270.	47560.
#2	1208.	2405.	4877.	11990.	97820.	47710.
#3	1214.	2411.	4876.	12020.	97890.	47830.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	121400.	4906.	120000.	2427.	7363.	954.7
Stddev	372.	13.	121.	5.	17.	11.8
%RSD	.3066	.2599	.1006	.2170	.2246	1.231

#1	121000.	4893.	119900.	2423.	7346.	949.7
#2	121500.	4908.	120000.	2425.	7363.	946.3
#3	121600.	4918.	120100.	2433.	7379.	968.1

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/17/2012 2:22:56 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2407.	2438.	2414.	2413.	953.7	2381.
Stddev	3.	5.	8.	6.	.8	8.
%RSD	.1159	.2180	.3321	.2401	.0868	.3294

#1	2403.	2432.	2405.	2408.	952.8	2375.
#2	2408.	2442.	2418.	2412.	954.0	2379.
#3	2408.	2440.	2419.	2419.	954.4	2390.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	961.6	4832.	9581.	9388.
Stddev	1.7	14.	33.	56.
%RSD	.1746	.2951	.3466	.5941

#1	960.9	4817.	9546.	9440.
#2	960.3	4833.	9583.	9329.
#3	963.5	4846.	9612.	9396.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2075.4	23993.	2582.5
Stddev	2.9	11.	6.2
%RSD	.13819	.04775	.24082

#1	2078.0	23998.	2588.7
#2	2075.9	23980.	2582.6
#3	2072.3	24001.	2576.2

Sample Name: CCB Acquired: 8/17/2012 2:26:21 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-32.78</b>	<b>-3423</b>	<b>.7803</b>	<b>.3675</b>	<b>-.1231</b>	<b>1.466</b>
Stddev	26.97	1.415	.7085	.1455	.2651	17.26
%RSD	82.27	413.3	90.79	39.58	215.3	1178.
#1	-3.050	-.9923	.0041	.5229	.0952	17.52
#2	-39.62	-1.315	-.9716	.3451	-.4180	-16.80
#3	-55.67	1.281	-1.374	.2346	-.0466	3.679

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0174</b>	<b>-.1890</b>	<b>.6962</b>	<b>-6.860</b>	<b>11.00</b>	<b>116.0</b>
Stddev	.0321	.1937	.6536	3.508	5.56	48.2
%RSD	184.2	102.5	93.88	51.14	50.58	41.52
#1	.0316	-.2643	1.318	-6.094	15.41	75.87
#2	-.0193	.0310	.7562	-10.69	12.84	169.4
#3	.0400	-.3339	.0146	-3.798	4.750	102.8

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9.121</b>	<b>.2325</b>	<b>.1874</b>	<b>-.2078</b>	<b>-.7358</b>	<b>1.108</b>
Stddev	5.386	.2808	20.94	.4453	.4436	3.041
%RSD	59.05	120.8	11180.	214.3	60.29	274.5
#1	15.34	.5388	21.48	.2813	-.2408	4.249
#2	5.922	.1716	-.5456	-.3148	-1.097	.8988
#3	6.101	-.0128	-20.38	-.5898	-.8693	-1.823

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/17/2012 2:26:21 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.882</b>	<b>.7610</b>	<b>.7218</b>	<b>-.1035</b>	<b>3.156</b>	<b>3.395</b>
Stddev	1.953	.6078	.6424	.3346	.584	1.936
%RSD	28.38	79.87	88.99	323.1	18.49	57.01
#1	5.214	1.408	1.453	.2106	3.660	5.582
#2	9.030	.2017	.4632	-.0659	3.291	2.701
#3	6.401	.6736	.2491	-.4553	2.516	1.903

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9256</b>	<b>.3200</b>	<b>1.489</b>	<b>3.671</b>
Stddev	.3100	.5349	2.065	16.07
%RSD	33.49	167.2	138.7	437.8
#1	.6762	.9376	2.656	4.282
#2	1.273	.0083	2.706	-12.70
#3	.8278	.0140	-.8950	19.43

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2210.9</b>	<b>26084.</b>	<b>2638.5</b>
Stddev	3.0	43.	8.4
%RSD	.13646	.16444	.31905
#1	2210.1	26042.	2640.8
#2	2208.3	26082.	2629.2
#3	2214.2	26128.	2645.6

Sample Name:	mb 460-124286/1-a	Acquired:	8/17/2012 2:30:15	Type:	QC	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.297</b>	<b>2.225</b>	<b>-.1765</b>	<b>.0952</b>	<b>-.1194</b>	<b>-2.711</b>
Stddev	10.62	2.130	1.038	.1713	.2067	12.28
%RSD	322.0	95.72	588.2	180.1	173.1	453.1
#1	.5326	-.1237	-.0120	.0436	-.3332	-15.72
#2	-5.664	4.031	-1.287	.2863	.0794	-1.097
#3	15.02	2.768	.7697	-.0445	-.1044	8.684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.0437</b>	<b>-.1662</b>	<b>.5631</b>	<b>-6.550</b>	<b>4.307</b>	<b>132.9</b>
Stddev	.0808	.2312	.2113	2.275	10.27	44.4
%RSD	184.8	139.1	37.52	34.73	238.5	33.44
#1	.1303	-.2153	.3266	-6.824	-5.859	145.1
#2	.0306	.0856	.7331	-4.150	14.68	170.0
#3	-.0297	-.3689	.6297	-8.675	4.097	83.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.160</b>	<b>-.0448</b>	<b>-26.63</b>	<b>-.5170</b>	<b>-.6889</b>	<b>2.378</b>
Stddev	.991	.0304	9.10	.1104	.7788	5.351
%RSD	45.88	67.75	34.15	21.35	113.0	225.0
#1	2.890	-.0098	-36.73	-.4283	-.9937	1.572
#2	2.558	-.0637	-19.08	-.4820	.1961	-2.524
#3	1.032	-.0610	-24.09	-.6407	-1.269	8.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: mb 460-124286/1-a Acquired: 8/17/2012 2:30:15 Type: QC

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.801</b>	<b>-7256</b>	<b>.3320</b>	<b>.1267</b>	<b>1.811</b>	<b>.5207</b>
Stddev	1.859	2.930	.2260	.1860	.406	.2044
%RSD	103.2	403.8	68.07	146.8	22.40	39.25
#1	.2523	-3.977	.3124	.3010	1.535	.4971
#2	3.862	1.712	.1165	-.0691	2.277	.7358
#3	1.288	.0878	.5673	.1480	1.620	.3291

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.4623</b>	<b>-.0446</b>	<b>.8346</b>	<b>-12.44</b>
Stddev	.5408	.1388	1.924	13.88
%RSD	117.0	311.5	230.6	111.6
#1	-.1607	.1081	2.482	2.547
#2	.7377	-.1630	1.303	-24.86
#3	.8100	-.0788	-1.280	-15.00

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2205.6</b>	<b>26072.</b>	<b>2620.9</b>
Stddev	6.5	34.	9.9
%RSD	.29690	.13044	.37948
#1	2198.2	26045.	2624.2
#2	2210.7	26110.	2628.8
#3	2207.9	26060.	2609.7

Sample Name: 460-43469-I-4-a Acquired: 8/17/2012 2:34:05 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>24.39</b>	<b>-1.671</b>	<b>-.1078</b>	<b>197.3</b>	<b>-.1332</b>	<b>23920.</b>
Stddev	6.41	.904	.6643	.2	.1337	135.
%RSD	26.29	54.11	616.0	.1045	100.4	.5653
#1	27.75	-1.261	.2747	197.5	-.2875	24050.
#2	17.00	-1.045	-.8749	197.2	-.0545	23940.
#3	28.43	-2.708	.2767	197.1	-.0576	23780.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1152</b>	<b>-.2923</b>	<b>1.688</b>	<b>-6.111</b>	<b>23.43</b>	<b>1124.</b>
Stddev	.1089	.1908	.114	2.202	13.47	78.
%RSD	94.50	65.28	6.757	36.03	57.48	6.907
#1	-.0063	-.5053	1.591	-3.806	9.919	1125.
#2	.2039	-.2344	1.813	-8.193	23.51	1046.
#3	.1482	-.1372	1.660	-6.333	36.85	1201.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9432.</b>	<b>33.56</b>	<b>38940.</b>	<b>4.043</b>	<b>-.6124</b>	<b>2.830</b>
Stddev	23.	.14	257.	.327	.7709	.624
%RSD	.2406	.4026	.6597	8.099	125.9	22.06
#1	9450.	33.61	39240.	3.693	-.1374	2.109
#2	9440.	33.67	38760.	4.343	-.1980	3.194
#3	9406.	33.41	38830.	4.092	-1.502	3.187

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43469-I-4-a Acquired: 8/17/2012 2:34:05 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>5.084</b>	<b>-1.377</b>	<b>1.350</b>	<b>266.1</b>	<b>148.6</b>	<b>.5658</b>
Stddev	1.056	1.878	.279	.6	1.7	.0482
%RSD	20.78	136.4	20.66	.2118	1.112	8.522

#1	5.786	.7529	1.586	266.4	148.1	.6144
#2	5.596	-2.796	1.043	266.4	150.5	.5650
#3	3.869	-2.087	1.422	265.4	147.3	.5180

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.2568</b>	<b>64.97</b>	<b>2.988</b>	<b>8940.</b>
Stddev	.1933	.51	.608	42.
%RSD	75.26	.7892	20.35	.4691

#1	.0374	65.43	2.954	8964.
#2	.3311	65.06	3.613	8964.
#3	.4019	64.42	2.398	8892.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2190.8</b>	<b>25502.</b>	<b>2629.2</b>
Stddev	4.0	84.	23.4
%RSD	.18237	.32770	.88883

#1	2186.8	25543.	2602.8
#2	2194.8	25406.	2647.4
#3	2190.8	25558.	2637.2

Sample Name: 460-43560-I-2-a Acquired: 8/17/2012 2:37:50 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17.02</b>	<b>.1672</b>	<b>-.2877</b>	<b>195.2</b>	<b>.0736</b>	<b>21880.</b>
Stddev	15.23	2.016	1.069	.7	.1032	53.
%RSD	89.47	1206.	371.6	.3583	140.2	.2426
#1	.0129	-1.732	-1.109	195.6	.0942	21900.
#2	29.39	-.0500	-.6753	195.5	.1649	21920.
#3	21.66	2.283	.9212	194.4	-.0383	21820.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1574</b>	<b>-.4956</b>	<b>1.080</b>	<b>-7.286</b>	<b>38.79</b>	<b>1196.</b>
Stddev	.0605	.2930	.288	3.120	6.90	43.
%RSD	38.45	59.12	26.70	42.82	17.79	3.630
#1	.1392	-.3771	.7726	-10.33	30.95	1148.
#2	.1081	-.2804	1.344	-7.432	41.49	1211.
#3	.2249	-.8293	1.123	-4.095	43.92	1231.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>9317.</b>	<b>112.1</b>	<b>44280.</b>	<b>8.695</b>	<b>-1.149</b>	<b>.4008</b>
Stddev	57.	.5	61.	.899	.595	3.373
%RSD	.6109	.4118	.1381	10.34	51.78	841.6
#1	9258.	111.7	44270.	8.361	-.5574	-1.925
#2	9321.	112.6	44230.	8.010	-1.747	-1.142
#3	9371.	111.9	44350.	9.713	-1.142	4.269

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-I-2-a Acquired: 8/17/2012 2:37:50 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>3.491</b>	<b>.2837</b>	<b>1.618</b>	<b>1390.</b>	<b>209.0</b>	<b>.1131</b>
Stddev	2.278	.6461	.339	2.	.8	.2863
%RSD	65.27	227.8	20.94	.1688	.3687	253.1
#1	4.649	1.030	2.003	1392.	209.8	-.0852
#2	4.957	-.1031	1.485	1391.	208.3	.4414
#3	.8658	-.0754	1.366	1387.	208.7	-.0167

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.106</b>	<b>63.11</b>	<b>2.212</b>	<b>7788.</b>
Stddev	1.159	.18	1.367	56.
%RSD	104.8	.2885	61.79	.7236
#1	2.312	63.04	3.620	7847.
#2	1.005	63.31	2.128	7781.
#3	.0012	62.97	.8898	7735.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2202.1</b>	<b>25667.</b>	<b>2659.3</b>
Stddev	3.4	67.	1.2
%RSD	.15457	.25961	.04452
#1	2199.1	25738.	2659.3
#2	2201.3	25656.	2660.5
#3	2205.8	25606.	2658.1

Sample Name: 460-43560-I-3-a Acquired: 8/17/2012 2:41:33 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>17.51</b>	<b>2.259</b>	<b>.2752</b>	<b>431.1</b>	<b>-.0828</b>	<b>100900.</b>
Stddev	40.49	.917	.1270	.6	.0653	569.
%RSD	231.2	40.59	46.16	.1385	78.90	.5638
#1	-26.79	1.303	.3438	431.8	-.1270	101200.
#2	52.61	3.132	.3532	430.6	-.1135	101300.
#3	26.72	2.343	.1286	430.9	-.0078	100300.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>-.0119</b>	<b>-.1880</b>	<b>.6589</b>	<b>-5.237</b>	<b>8.543</b>	<b>1112.</b>
Stddev	.1037	.2745	.2639	6.571	10.80	15.
%RSD	869.2	146.0	40.05	125.5	126.4	1.387
#1	.1042	-.4394	.4687	1.322	20.64	1129.
#2	-.0952	-.2292	.5478	-11.82	-.1450	1106.
#3	-.0448	.1048	.9601	-5.213	5.139	1100.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>23690.</b>	<b>1136.</b>	<b>22670.</b>	<b>1.868</b>	<b>-2.650</b>	<b>1.868</b>
Stddev	151.	3.	125.	.315	1.077	3.621
%RSD	.6392	.2297	.5529	16.88	40.64	193.8
#1	23850.	1138.	22740.	2.210	-1.565	-1.975
#2	23660.	1137.	22740.	1.588	-2.667	2.363
#3	23550.	1133.	22530.	1.806	-3.719	5.217

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-I-3-a Acquired: 8/17/2012 2:41:33 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.9263	-2.327	4.119	309.4	208.2	1.381
Stddev	3.532	1.559	.215	1.2	1.4	.355
%RSD	381.3	66.99	5.211	.3941	.6625	25.73
#1	-.4340	-3.572	4.309	310.7	207.9	1.497
#2	4.936	-5.786	3.886	308.9	209.7	.9819
#3	-1.724	-2.831	4.162	308.4	207.0	1.663

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	.3083	243.7	6.042	9005.
Stddev	.3961	1.2	1.049	55.
%RSD	128.5	.4844	17.36	.6156
#1	.0339	243.3	7.226	8969.
#2	.1285	245.0	5.672	8977.
#3	.7624	242.7	5.229	9069.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2176.4	25275.	2636.8
Stddev	5.2	55.	19.4
%RSD	.24037	.21645	.73514
#1	2177.2	25244.	2628.3
#2	2181.2	25338.	2623.1
#3	2170.8	25242.	2659.0

Sample Name: 460-43560-I-5-a Acquired: 8/17/2012 2:45:18 Type: Unk  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	49.50	1.544	.3489	131.3	-.0749	16370.
Stddev	24.74	2.435	.5661	.6	.1662	4.
%RSD	49.98	157.7	162.3	.4532	221.8	.0242

#1	21.78	-.9120	-.9499	131.8	.0526	16380.
#2	69.36	3.957	-.2708	131.5	-.0146	16370.
#3	57.38	1.588	.1741	130.7	-.2628	16370.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.1216	-.0446	1.524	-.707	43.82	1253.
Stddev	.1429	.0832	.752	2.314	8.75	47.
%RSD	117.5	186.8	49.37	30.03	19.96	3.755

#1	.0268	.0396	1.074	-5.069	36.64	1214.
#2	.2859	-.1268	2.392	-9.394	41.25	1241.
#3	.0520	-.0465	1.105	-8.658	53.56	1305.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	6559.	68.60	22140.	3.542	.2954	2.358
Stddev	14.	.09	18.	.207	.6256	3.453
%RSD	.2114	.1298	.0797	5.854	211.7	146.4

#1	6575.	68.51	22160.	3.720	.6190	1.471
#2	6554.	68.69	22140.	3.314	-.4257	6.169
#3	6549.	68.60	22120.	3.592	.6931	-.5647

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43560-I-5-a Acquired: 8/17/2012 2:45:18 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1:

Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.379</b>	<b>-2.039</b>	<b>1.352</b>	<b>139.5</b>	<b>301.0</b>	<b>.1072</b>
Stddev	1.156	2.783	.465	.5	1.2	.2954
%RSD	83.87	136.5	34.39	.3459	.4084	275.5
#1	.3849	-1.841	.8153	139.8	302.4	-.1569
#2	1.103	.6408	1.621	139.7	300.7	.4263
#3	2.648	-4.915	1.620	138.9	300.0	.0524

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.9783</b>	<b>51.70</b>	<b>1.640</b>	<b>7846.</b>
Stddev	.8686	.04	1.413	13.
%RSD	88.79	.0793	86.18	.1593
#1	.3765	51.73	3.092	7832.
#2	1.974	51.65	1.559	7854.
#3	.5843	51.71	.2689	7853.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2221.5</b>	<b>25946.</b>	<b>2662.3</b>
Stddev	.9	66.	6.6
%RSD	.03921	.25357	.24839
#1	2222.3	25997.	2658.4
#2	2220.5	25872.	2670.0
#3	2221.6	25969.	2658.7

Sample Name: 460-43375-b-30-b Acquired: 8/17/2012 2:49:05 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin

Custom ID1:

Custom ID2:

Custom ID3:

Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>79.94</b>	<b>-1.063</b>	<b>.2783</b>	<b>22.54</b>	<b>-.1676</b>	<b>46810.</b>
Stddev	21.12	1.490	1.421	.21	.0707	401.
%RSD	26.42	140.3	510.5	.9240	42.20	.8566
#1	104.2	-1.806	1.900	22.77	-.0991	47240.
#2	65.48	-2.035	-.7481	22.49	-.2404	46740.
#3	70.16	.6531	-.3169	22.37	-.1634	46450.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1410</b>	<b>1.412</b>	<b>1.607</b>	<b>-5.940</b>	<b>206.8</b>	<b>1524.</b>
Stddev	.0245	.209	.690	4.141	20.8	35.
%RSD	17.40	14.81	42.96	69.72	10.08	2.273
#1	.1333	1.259	1.531	-4.015	201.5	1485.
#2	.1213	1.650	.9576	-10.69	189.0	1551.
#3	.1685	1.326	2.332	-3.111	229.7	1536.

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>20780.</b>	<b>2446.</b>	<b>33480.</b>	<b>267.8</b>	<b>.7497</b>	<b>-1.592</b>
Stddev	59.	8.	308.	1.1	.2454	1.979
%RSD	.2831	.3373	.9199	.3982	32.73	124.4
#1	20810.	2452.	33810.	267.6	.7133	-3.698
#2	20830.	2450.	33430.	268.9	1.011	.2296
#3	20720.	2437.	33200.	266.8	.5246	-1.306

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: 460-43375-b-30-b Acquired: 8/17/2012 2:49:05 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>6.284</b>	<b>-3.317</b>	<b>.8449</b>	<b>4.818</b>	<b>59.95</b>	<b>.3739</b>
Stddev	1.283	.812	.5870	.168	.35	.1934
%RSD	20.42	24.47	69.47	3.485	.5783	51.73
#1	6.379	-3.658	.6756	4.691	59.69	.1568
#2	4.955	-3.902	1.498	5.008	60.34	.4369
#3	7.516	-2.390	.3612	4.754	59.81	.5280

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>1.469</b>	<b>164.3</b>	<b>7.411</b>	<b>17650.</b>
Stddev	.973	1.5	2.299	89.
%RSD	66.24	.9424	31.02	.5038
#1	.3971	166.0	5.112	17750.
#2	1.712	163.9	7.412	17590.
#3	2.296	163.0	9.709	17620.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2191.2</b>	<b>25480.</b>	<b>2646.6</b>
Stddev	2.9	67.	28.6
%RSD	.13328	.26418	1.0805
#1	2188.0	25426.	2620.3
#2	2192.0	25458.	2642.5
#3	2193.7	25555.	2677.1

Sample Name:	460-43375-b-31-b	Acquired:	8/17/2012 2:52:53	Type:	Unk	
Method:	SW8460080712(v7)	Mode:	CONC	Corr. Factor:	1.000000	
User:	admin	Custom ID1:	Custom ID2:	Custom ID3:		
Comment:						
Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85}	189.042 {478}	328.068 {103}	233.527 {445}	313.042 {108}	422.673 { 80}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>33.47</b>	<b>-1.137</b>	<b>-.2616</b>	<b>22.77</b>	<b>.0154</b>	<b>47670.</b>
Stddev	13.23	.387	.5655	.11	.1332	159.
%RSD	39.53	34.00	216.2	.4781	866.6	.3336
#1	20.03	-.9441	.2214	22.85	.1586	47510.
#2	33.91	-.8850	-.1224	22.81	-.1049	47670.
#3	46.48	-1.582	-.8837	22.64	-.0075	47830.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 {449}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.2572</b>	<b>1.421</b>	<b>1.240</b>	<b>-5.646</b>	<b>75.58</b>	<b>1608.</b>
Stddev	.0367	.083	.389	2.581	19.55	59.
%RSD	14.26	5.855	31.35	45.73	25.87	3.670
#1	.2230	1.384	1.542	-8.448	94.82	1657.
#2	.2959	1.517	1.375	-5.124	76.20	1625.
#3	.2526	1.363	.8014	-3.365	55.72	1542.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						
Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>21240.</b>	<b>2604.</b>	<b>34300.</b>	<b>286.0</b>	<b>-.0595</b>	<b>.6077</b>
Stddev	85.	12.	183.	1.1	1.208	2.943
%RSD	.3984	.4705	.5328	.3827	2030.	484.2
#1	21150.	2591.	34090.	287.2	1.331	3.392
#2	21310.	2605.	34410.	285.8	-.8509	-2.471
#3	21250.	2616.	34410.	285.0	-.6581	.9025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 460-43375-b-31-b Acquired: 8/17/2012 2:52:53 Type: Unk

Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000

User: admin Custom ID1: Custom ID2: Custom ID3:

Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>2.591</b>	<b>-2.962</b>	<b>.9380</b>	<b>4.313</b>	<b>61.42</b>	<b>.2930</b>
Stddev	1.894	1.722	.6416	.046	.60	.2153
%RSD	73.09	58.13	68.40	1.076	.9723	73.48
#1	2.053	-4.785	1.329	4.272	61.08	.2002
#2	1.024	-1.362	1.288	4.304	62.11	.5391
#3	4.695	-2.741	.1975	4.364	61.07	.1396

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.3989</b>	<b>167.2</b>	<b>4.676</b>	<b>17940.</b>
Stddev	.5906	1.0	.989	69.
%RSD	148.1	.5952	21.15	.3835
#1	-.2816	166.1	5.546	17960.
#2	.7002	167.7	3.600	18000.
#3	.7780	167.8	4.882	17870.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2194.1</b>	<b>25522.</b>	<b>2643.9</b>
Stddev	3.8	121.	23.9
%RSD	.17450	.47599	.90328
#1	2196.2	25661.	2671.0
#2	2189.7	25467.	2634.3
#3	2196.4	25438.	2626.3

Sample Name: CCV Acquired: 8/17/2012 2:56:44 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>120400.</b>	<b>2392.</b>	<b>1204.</b>	<b>9593.</b>	<b>952.3</b>	<b>121900.</b>
Stddev	549.	5.	5.	4.	4.4	571.
%RSD	.4555	.2106	.3840	.0467	.4592	.4684

#1	119800.	2386.	1208.	9589.	948.5	121400.
#2	120900.	2395.	1205.	9592.	957.1	122600.
#3	120600.	2395.	1199.	9598.	951.3	121800.

Check ?	Chk Pass					
Value Range						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1206.</b>	<b>2404.</b>	<b>4873.</b>	<b>12070.</b>	<b>97750.</b>	<b>47830.</b>
Stddev	.	3.	17.	69.	387.	361.
%RSD	.0355	.1354	.3458	.5750	.3957	.7554

#1	1207.	2402.	4892.	11990.	98200.	47480.
#2	1207.	2403.	4863.	12130.	97490.	48200.
#3	1206.	2408.	4863.	12080.	97570.	47810.

Check ?	Chk Pass					
Value Range						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>121400.</b>	<b>4922.</b>	<b>120200.</b>	<b>2424.</b>	<b>7337.</b>	<b>959.7</b>
Stddev	464.	21.	445.	2.	7.	2.6
%RSD	.3822	.4360	.3704	.0630	.0940	.2693

#1	121900.	4946.	119900.	2425.	7340.	958.9
#2	121200.	4906.	120700.	2422.	7329.	957.6
#3	121000.	4914.	120000.	2423.	7341.	962.5

Check ?	Chk Pass					
Value Range						

Sample Name: CCV Acquired: 8/17/2012 2:56:44 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2391.	2432.	2412.	2406.	947.3	2378.
Stddev	7.	12.	10.	2.	3.2	6.
%RSD	.2996	.4797	.4088	.0627	.3427	.2365

#1	2396.	2419.	2423.	2406.	943.6	2372.
#2	2383.	2438.	2407.	2404.	948.6	2380.
#3	2395.	2440.	2406.	2407.	949.7	2383.

Check ?	Chk Pass					
Value Range						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	960.8	4839.	9589.	9407.
Stddev	1.7	20.	44.	31.
%RSD	.1754	.4152	.4633	.3290

#1	961.8	4821.	9543.	9381.
#2	958.8	4861.	9631.	9399.
#3	961.7	4836.	9594.	9441.

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	2078.8	24042.	2582.3
Stddev	3.4	28.	14.7
%RSD	.16333	.11708	.56983

#1	2082.7	24021.	2599.2
#2	2076.4	24074.	2572.1
#3	2077.3	24030.	2575.7

Sample Name: CCB Acquired: 8/17/2012 3:00:13 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

Elem	Al3961	As1890	Ag3280	Ba2335	Be3130	Ca4226
Line	396.152 { 85 }	189.042 { 478 }	328.068 { 103 }	233.527 { 445 }	313.042 { 108 }	422.673 { 80 }
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>1.559</b>	<b>.4189</b>	<b>-.4658</b>	<b>.5488</b>	<b>-.2468</b>	<b>5.548</b>
Stddev	14.10	.3124	.5506	.2443	.1921	24.66
%RSD	904.7	74.57	118.2	44.51	77.83	444.4

#1	5.797	.1733	-1.061	.8306	-.0725	33.89
#2	13.06	.3130	.0262	.4190	-.2152	-10.98
#3	-14.18	.7705	-.3629	.3969	-.4527	-6.263

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Line	226.502 { 449 }	228.616 { 447 }	267.716 { 126 }	324.754 { 104 }	271.441 { 124 }	766.490 { 44 }
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3600)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.1553</b>	<b>-.0443</b>	<b>1.187</b>	<b>-2.585</b>	<b>7.737</b>	<b>89.72</b>
Stddev	.0449	.3186	.298	.807	14.10	11.10
%RSD	28.88	718.7	25.10	31.22	182.2	12.38

#1	.2013	.2960	1.365	-2.230	23.38	78.24
#2	.1530	-.0936	1.353	-2.016	3.808	100.4
#3	.1117	-.3354	.8432	-3.509	-3.979	90.50

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 { 121 }	257.610 { 131 }	589.592 { 57 }	231.604 { 446 }	220.353 { 453 }	206.833 { 463 }
IS Ref	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>10.71</b>	<b>.2659</b>	<b>32.59</b>	<b>.2371</b>	<b>.4686</b>	<b>2.620</b>
Stddev	11.26	.4104	18.09	.3295	.9001	3.085
%RSD	105.1	154.3	55.50	138.9	192.1	117.8

#1	23.44	.7392	43.40	.6132	1.221	1.761
#2	6.691	.0488	42.67	.0986	.7131	.0554
#3	2.015	.0097	11.71	-.0005	-.5285	6.044

Check ?	Chk Pass					
High Limit						
Low Limit						

Sample Name: CCB Acquired: 8/17/2012 3:00:13 Type: QC  
 Method: SW8460080712(v7) Mode: CONC Corr. Factor: 1.000000  
 User: admin Custom ID1: Custom ID2: Custom ID3:  
 Comment:

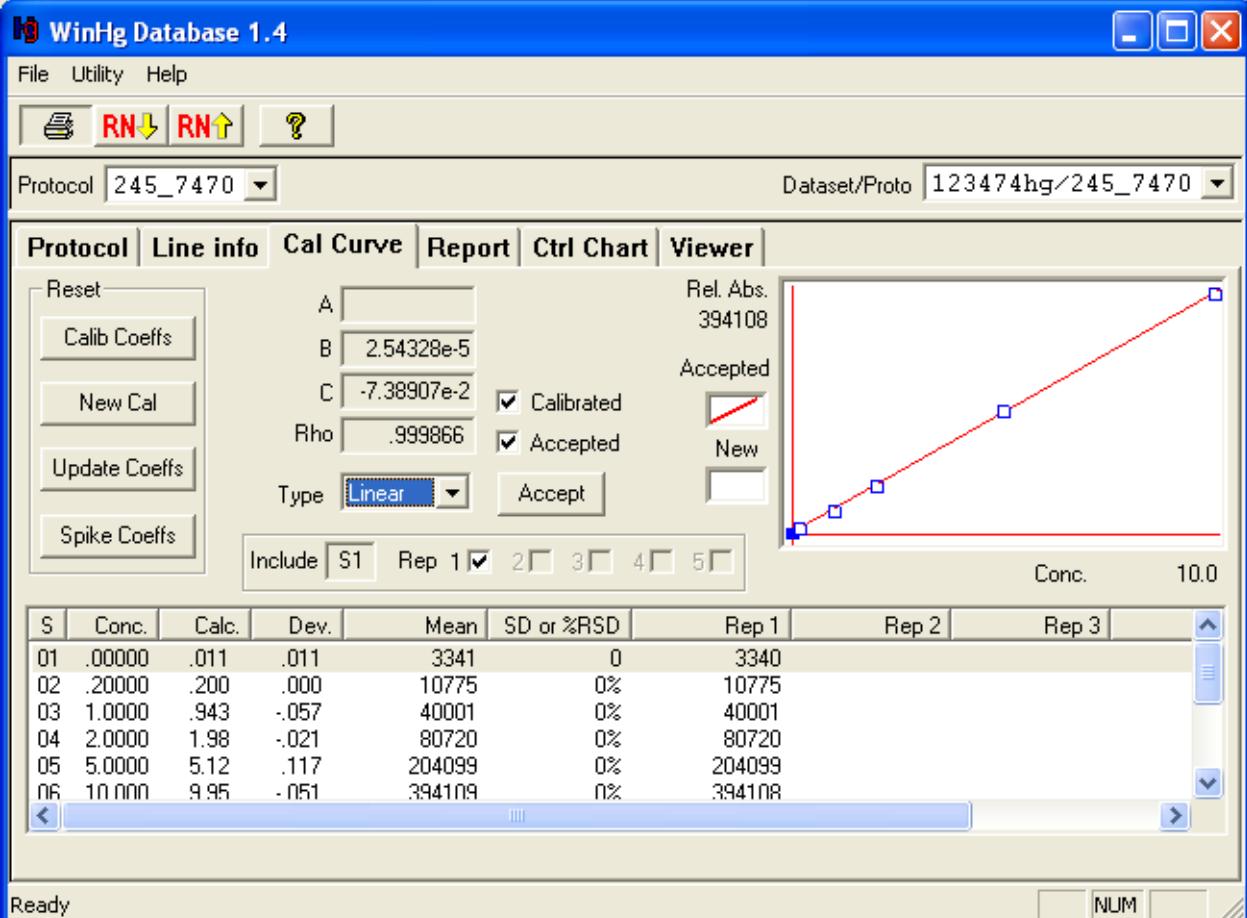
Elem	Se196	Tl1908	V_2924	Zn2062	B_2089	Mo2020
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}	208.959 {461}	202.030 {467}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	<b>.3721</b>	<b>1.571</b>	<b>.4008</b>	<b>.3111</b>	<b>2.204</b>	<b>3.547</b>
Stddev	3.918	1.941	.3791	.2618	1.011	1.735
%RSD	1053.	123.5	94.58	84.15	45.89	48.91
#1	-3.766	3.606	.7887	.6024	2.270	5.428
#2	3.915	1.368	.3825	.0954	3.180	3.204
#3	-1.265	-.2603	.0312	.2355	1.161	2.010

Check ?	Chk Pass					
High Limit						
Low Limit						

Elem	Sn1899	Sr4077	Ti3349	Si2881
Line	189.989 {477}	407.771 { 83}	334.941 {101}	288.158 {117}
IS Ref	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb
Avg	<b>.8278</b>	<b>.4246</b>	<b>.2147</b>	<b>-3.079</b>
Stddev	.3512	.4509	1.315	.888
%RSD	42.43	106.2	612.5	28.85
#1	1.227	.9309	1.285	-2.158
#2	.6899	.2765	-1.253	-3.148
#3	.5665	.0664	.6127	-3.931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	<b>2203.6</b>	<b>26022.</b>	<b>2627.0</b>
Stddev	7.2	60.	3.6
%RSD	.32620	.23145	.13873
#1	2198.7	25953.	2625.5
#2	2200.3	26050.	2631.2
#3	2211.9	26063.	2624.4



Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	1	13:55:27	10 Aug 12	HG
Hg	.000	ppb	3340					
*** Standard: 2 Rep: 1				Seq:	2	13:57:24	10 Aug 12	HG
Hg	.200	ppb	10775					
*** Standard: 3 Rep: 1				Seq:	3	13:59:12	10 Aug 12	HG
Hg	1.00	ppb	40001					
*** Standard: 4 Rep: 1				Seq:	4	14:00:58	10 Aug 12	HG
Hg	2.00	ppb	80720					
*** Standard: 5 Rep: 1				Seq:	5	14:02:46	10 Aug 12	HG
Hg	5.00	ppb	204099					
*** Standard: 6 Rep: 1				Seq:	6	14:04:31	10 Aug 12	HG
Hg	10.0	ppb	394108					
*** Check Standard: 3 Ck3AICV				Seq:	7	14:06:16	10 Aug 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	5.11	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB				Seq:	8	14:08:02	10 Aug 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.076	.200	ppb	.000			
*** Check Standard: 4 Ck4QCS				Seq:	9	14:09:58	10 Aug 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		99.2	4.96	5.00	ppb	.000		
*** Sample ID:				Seq:	10	14:11:42	10 Aug 12	HG
Hg	1.97	ppb	.000	mcl	1.97			
*** Sample ID:				Seq:	11	14:13:28	10 Aug 12	HG
Hg	-.051	ppb	.000	MB 460-123474/1-A				
*** Sample ID:				Seq:	12	14:15:27	10 Aug 12	HG
Hg	.944	ppb	.000	LCS 460-123474/2-A				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 13		14:17:34	10 Aug 12	HG
Hg	.354	ppb	.000	460-43054-D-3-D	.354			
*** Sample ID:				Seq: 14		14:19:18	10 Aug 12	HG
Hg	.337	ppb	.000	460-43054-D-3-E	DU			
*** Sample ID:				Seq: 15		14:21:13	10 Aug 12	HG
Hg	1.32	ppb	.000	460-43054-D-3-F	MS			
*** Sample ID:				Seq: 16		14:22:58	10 Aug 12	HG
Hg	-.069	ppb	.000	460-43341-D-11-A				
*** Sample ID:				Seq: 17		14:24:52	10 Aug 12	HG
Hg	-.002	ppb	.000	450-5879-E-1-B				
*** Sample ID:				Seq: 18		14:26:48	10 Aug 12	HG
Hg	-.060	ppb	.000	460-43054-D-2-B				
*** Check Standard: 2 Ck2ACCV				Seq: 19		14:28:35	10 Aug 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		103.	5.16	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB				Seq: 20		14:30:29	10 Aug 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.043	.200	ppb	.000			
*** Sample ID:				Seq: 21		14:32:15	10 Aug 12	HG
Hg	-.041	ppb	.000	460-43054-D-4-B				
*** Sample ID:				Seq: 22		14:34:03	10 Aug 12	HG
Hg	-.046	ppb	.000	460-43054-D-5-B				
*** Sample ID:				Seq: 23		14:35:58	10 Aug 12	HG
Hg	-.064	ppb	.000	460-43054-D-6-B				
*** Sample ID:				Seq: 24		14:37:41	10 Aug 12	HG
Hg	-.120	ppb	.000	460-43305-C-6-B				

PCSI RUN REPORT									
Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq:	25	14:39:26	10 Aug 12	HG	
Hg	-.034	ppb		460-43235-C-5-B					
			.000	-.034					
*** Sample ID:				Seq:	26	14:41:22	10 Aug 12	HG	
Hg	.076	ppb		460-43237-A-1-A					
			.000	.076					
*** Sample ID:				Seq:	27	14:43:38	10 Aug 12	HG	
Hg	-.047	ppb		460-43269-H-2-B					
			.000	-.047					
*** Sample ID:				Seq:	28	14:45:27	10 Aug 12	HG	
Hg	-.030	ppb		460-43269-H-3-B					
			.000	-.030					
*** Sample ID:				Seq:	29	14:47:11	10 Aug 12	HG	
Hg	-.037	ppb		460-43269-H-4-D					
			.000	-.037					
*** Check Standard: 2 Ck2ACCV				Seq:	30	14:49:19	10 Aug 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		102.	5.08	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB				Seq:	31	14:51:35	10 Aug 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.037	.200	ppb	.000				
*** Sample ID:				Seq:	32	14:53:21	10 Aug 12	HG	
Hg	-.024	ppb		460-43269-H-5-B					
			.000	-.024					
*** Sample ID:				Seq:	33	14:55:07	10 Aug 12	HG	
Hg	-.048	ppb		460-43269-H-6-B					
			.000	-.048					
*** Sample ID:				Seq:	34	14:57:37	10 Aug 12	HG	
Hg	.013	ppb		460-43269-H-7-B					
			.000	.013					
*** Sample ID:				Seq:	35	14:59:23	10 Aug 12	HG	
Hg	-.053	ppb		460-43269-H-8-B					
			.000	-.053					
*** Sample ID:				Seq:	36	15:01:08	10 Aug 12	HG	
Hg	-.071	ppb		460-43269-H-9-B					
			.000	-.071					

POST RUN REPORT									
Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq: 37		15:02:52	10 Aug 12	HG	
				460-43269-H-10-B					
Hg	-.070	ppb	.000	-.070					
*** Sample ID:				Seq: 38		15:04:41	10 Aug 12	HG	
				460-43269-H-11-B					
Hg	-.081	ppb	.000	-.081					
*** Sample ID:				Seq: 39		15:06:31	10 Aug 12	HG	
				sd 460-43054-D-3-D@5					
Hg	-.022	ppb	.000	-.022					
*** Check Standard: 2 Ck2ACCV				Seq: 40		15:08:45	10 Aug 12	HG	
Line Flag %Rcv.	Found	True	Units		SD/RSD				
Hg	101.	5.05	5.00	ppb	.000				
*** Check Standard: 1 Ck1ICB/CCB				Seq: 41		15:10:30	10 Aug 12	HG	
Line Flag Found Range(+/-)	Units				SD/RSD				
Hg	-.059	.200	ppb		.000				
*** Sample ID:				Seq: 42		15:17:19	10 Aug 12	HG	
				MB 460-123184/1-B					
Hg	-.028	ppb	.000	-.028					
*** Sample ID:				Seq: 43		15:20:02	10 Aug 12	HG	
				LCS 460-123478/2-A					
Hg	.941	ppb	.000	.941					
*** Sample ID:				Seq: 44		15:21:59	10 Aug 12	HG	
				460-43022-E-6-J					
Hg	-.034	ppb	.000	-.034					
*** Sample ID:				Seq: 45		15:23:56	10 Aug 12	HG	
				460-43022-E-6-K DU					
Hg	.743	ppb	.000	.743					
*** Sample ID:				Seq: 46		15:25:55	10 Aug 12	HG	
				460-43022-E-6-L MS					
Hg	.847	ppb	.000	.847					
*** Sample ID:				Seq: 47		15:27:42	10 Aug 12	HG	
				460-42969-L-1-D					
Hg	-.113	ppb	.000	-.113					
*** Sample ID:				Seq: 48		15:29:37	10 Aug 12	HG	
				460-42969-L-2-D					
Hg	-.082	ppb	.000	-.082					

POST-RCV REPORT									
Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:				Seq:	49	15:31:38	10 Aug 12	HG	
				460-42969-L-3-D					
Hg	-.108	ppb	.000	-.108					
*** Check Standard: 2 Ck2ACCV				Seq:	50	15:33:23	10 Aug 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg		100.	5.01	5.00	ppb	.000			
*** Check Standard: 1 Ck1ICB/CCB				Seq:	51	15:35:07	10 Aug 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD				
Hg		-.049	.200	ppb	.000				
*** Sample ID:				Seq:	52	15:36:55	10 Aug 12	HG	
				460-42969-L-4-D					
Hg	-.053	ppb	.000	-.053					
*** Sample ID:				Seq:	53	15:38:43	10 Aug 12	HG	
				460-42969-L-5-D					
Hg	-.028	ppb	.000	-.028					
*** Sample ID:				Seq:	54	15:40:31	10 Aug 12	HG	
				460-42969-L-6-D					
Hg	-.032	ppb	.000	-.032					

cup	sample ID	extended ID	weight	volume	? A D F P S U S C U I U S C1..7
1		MB 460-123184/1-C	1.0000	1.0000	
2		LCS 460-123482/2-A	1.0000	1.0000	
3		460-43022-E-7-D	1.0000	1.0000	
4		460-43022-E-7-E DU	1.0000	1.0000	
5		460-43022-E-7-F MS	1.0000	1.0000	
6		460-43022-E-8-D	1.0000	1.0000	
7		460-43022-E-9-D	1.0000	1.0000	
8		460-43053-A-4-B	1.0000	1.0000	
9		460-43073-K-1-D	1.0000	1.0000	c2 c1
10		460-43073-K-2-D	1.0000	1.0000	
11		460-43073-K-4-D	1.0000	1.0000	
12		460-43073-H-5-B	1.0000	1.0000	
13		460-43073-K-6-E	1.0000	1.0000	
14		460-43073-E-7-E	1.0000	1.0000	
15		460-43073-A-3-E	1.0000	1.0000	
16		MB 460-123473/1-B	1.0000	1.0000	
17		sd 460-43022-E-7-D@5	1.0000	1.0000	c2 c1
18			1.0000	1.0000	
19			1.0000	1.0000	
20			1.0000	1.0000	
21			1.0000	1.0000	
22			1.0000	1.0000	
23			1.0000	1.0000	
24			1.0000	1.0000	
25			1.0000	1.0000	
26			1.0000	1.0000	
27			1.0000	1.0000	
28			1.0000	1.0000	
29			1.0000	1.0000	
30			1.0000	1.0000	
31			1.0000	1.0000	
32			1.0000	1.0000	
33			1.0000	1.0000	
34			1.0000	1.0000	
35			1.0000	1.0000	
36			1.0000	1.0000	
37			1.0000	1.0000	
38			1.0000	1.0000	
39			1.0000	1.0000	
40			1.0000	1.0000	
41			1.0000	1.0000	
42			1.0000	1.0000	
43			1.0000	1.0000	
44			1.0000	1.0000	

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
-----									
*** Standard: 1 Rep: 1				Seq:	1	13:55:27	10 Aug 12	HG	
Hg	.000	ppb	3340						
		Bkgd 1	6161399						
*** Standard: 2 Rep: 1				Seq:	2	13:57:24	10 Aug 12	HG	
Hg	.200	ppb	10775						
		Bkgd 1	6156308						
*** Standard: 3 Rep: 1				Seq:	3	13:59:12	10 Aug 12	HG	
Hg	1.00	ppb	40001						
		Bkgd 1	6155308						
*** Standard: 4 Rep: 1				Seq:	4	14:00:58	10 Aug 12	HG	
Hg	2.00	ppb	80720						
		Bkgd 1	6156619						
*** Standard: 5 Rep: 1				Seq:	5	14:02:46	10 Aug 12	HG	
Hg	5.00	ppb	204099						
		Bkgd 1	6157835						
*** Standard: 6 Rep: 1				Seq:	6	14:04:31	10 Aug 12	HG	
Hg	10.0	ppb	394108						
		Bkgd 1	6158286						
*** Check Standard: 3				Ck3AICV	Seq:	7	14:06:16	10 Aug 12	HG
Line	Flag		Intensities						
Hg			203812						
		Bkgd 1	6152668						
*** Check Standard: 1				Ck1ICB/CCB	Seq:	8	14:08:02	10 Aug 12	HG
Line	Flag		Intensities						
Hg			-93						
		Bkgd 1	6151071						
*** Check Standard: 4				Ck4QCS	Seq:	9	14:09:58	10 Aug 12	HG
Line	Flag		Intensities						
Hg			198017						
		Bkgd 1	6151347						

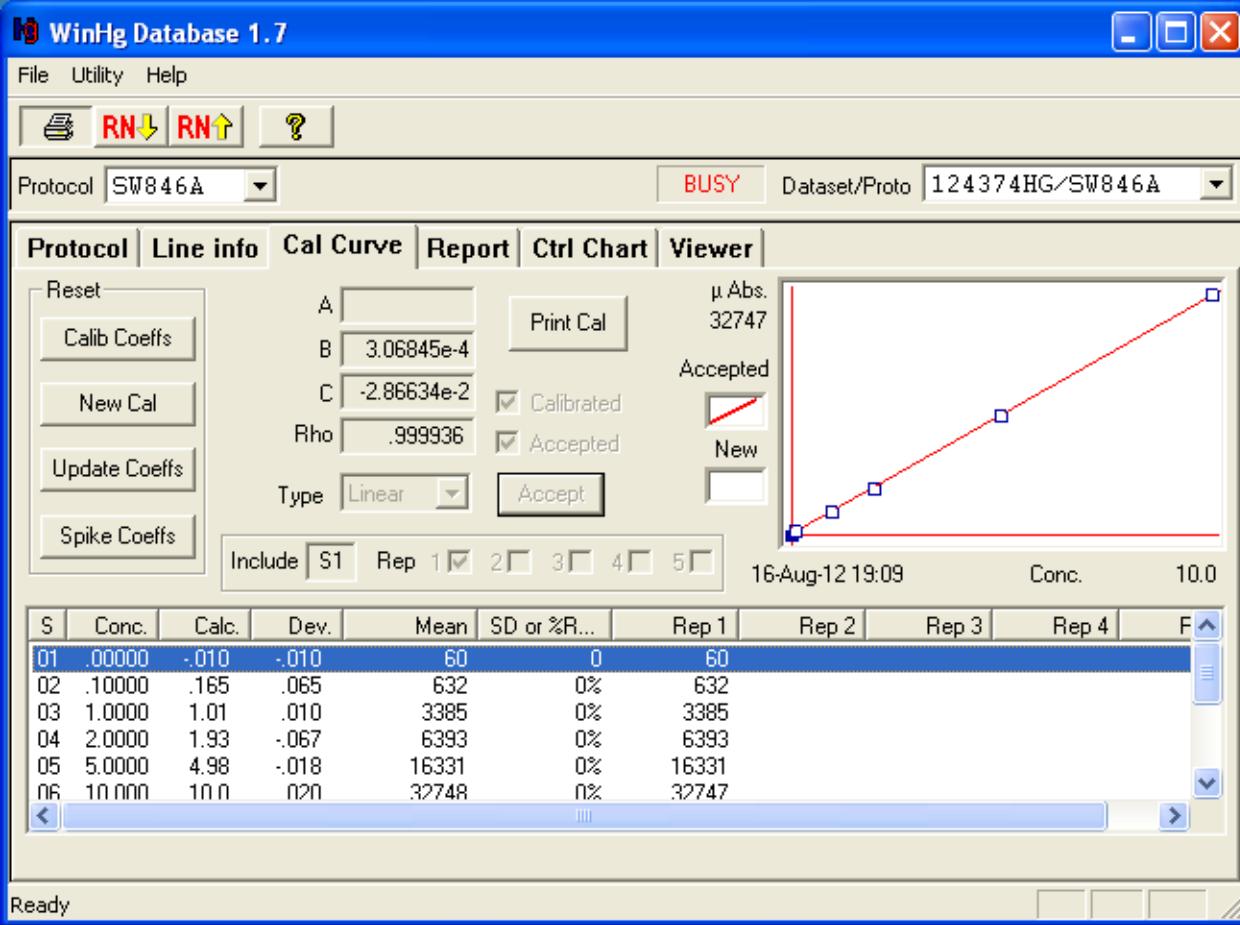
Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq:	10	14:11:42	10 Aug 12	HG
Hg	1.97	ppb	mcl	80525				
		Bkgd 1		6147646				
*** Sample ID:				Seq:	11	14:13:28	10 Aug 12	HG
Hg	-.051	ppb	MB	460-123474/1-A				
		Bkgd 1	892					
				6146813				
*** Sample ID:				Seq:	12	14:15:27	10 Aug 12	HG
Hg	.944	ppb	LCS	460-123474/2-A				
		Bkgd 1	40035					
				6145811				
*** Sample ID:				Seq:	13	14:17:34	10 Aug 12	HG
Hg	.354	ppb	460-43054-D-3-D					
		Bkgd 1	16818					
				6144365				
*** Sample ID:				Seq:	14	14:19:18	10 Aug 12	HG
Hg	.337	ppb	460-43054-D-3-E	DU				
		Bkgd 1	16173					
				6143842				
*** Sample ID:				Seq:	15	14:21:13	10 Aug 12	HG
Hg	1.32	ppb	460-43054-D-3-F	MS				
		Bkgd 1	54946					
				6143984				
*** Sample ID:				Seq:	16	14:22:58	10 Aug 12	HG
Hg	-.069	ppb	460-43341-D-11-A					
		Bkgd 1	179					
				6143089				
*** Sample ID:				Seq:	17	14:24:52	10 Aug 12	HG
Hg	-.002	ppb	450-5879-E-1-B					
		Bkgd 1	2829					
				6143577				
*** Sample ID:				Seq:	18	14:26:48	10 Aug 12	HG
Hg	-.060	ppb	460-43054-D-2-B					
		Bkgd 1	564					
				6143435				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Check Standard: 2		Ck2ACCV		Seq: 19		14:28:35	10 Aug 12	HG
Line Flag		Intensities						
Hg		205817						
	Bkgd 1	6143583						
*** Check Standard: 1		Ck1ICB/CCB		Seq: 20		14:30:29	10 Aug 12	HG
Line Flag		Intensities						
Hg		1234						
	Bkgd 1	6141944						
*** Sample ID:				Seq: 21		14:32:15	10 Aug 12	HG
			460-43054-D-4-B					
Hg	-.041	ppb	1288					
	Bkgd 1	6143506						
*** Sample ID:				Seq: 22		14:34:03	10 Aug 12	HG
			460-43054-D-5-B					
Hg	-.046	ppb	1105					
	Bkgd 1	6146083						
*** Sample ID:				Seq: 23		14:35:58	10 Aug 12	HG
			460-43054-D-6-B					
Hg	-.064	ppb	401					
	Bkgd 1	6150767						
*** Sample ID:				Seq: 24		14:37:41	10 Aug 12	HG
			460-43305-C-6-B					
Hg	-.120	ppb	-1807					
	Bkgd 1	6150458						
*** Sample ID:				Seq: 25		14:39:26	10 Aug 12	HG
			460-43235-C-5-B					
Hg	-.034	ppb	1584					
	Bkgd 1	6153293						
*** Sample ID:				Seq: 26		14:41:22	10 Aug 12	HG
			460-43237-A-1-A					
Hg	.076	ppb	5884					
	Bkgd 1	6152549						
*** Sample ID:				Seq: 27		14:43:38	10 Aug 12	HG
			460-43269-H-2-B					
Hg	-.047	ppb	1050					
	Bkgd 1	6150557						

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: Seq: 28 14:45:27 10 Aug 12 HG								
460-43269-H-3-B								
Hg	-.030	ppb	1735					
		Bkgd 1	6148780					
<hr/>								
*** Sample ID: Seq: 29 14:47:11 10 Aug 12 HG								
460-43269-H-4-D								
Hg	-.037	ppb	1440					
		Bkgd 1	6147305					
<hr/>								
Line	Flag	Ck2ACCV Intensities	Seq: 30	14:49:19 10 Aug 12	HG			
Hg		202648						
		Bkgd 1	6145579					
<hr/>								
Line	Flag	Ck1ICB/CCB Intensities	Seq: 31	14:51:35 10 Aug 12	HG			
Hg		1441						
		Bkgd 1	6144234					
<hr/>								
*** Sample ID: Seq: 32 14:53:21 10 Aug 12 HG								
460-43269-H-5-B								
Hg	-.024	ppb	1957					
		Bkgd 1	6143948					
<hr/>								
*** Sample ID: Seq: 33 14:55:07 10 Aug 12 HG								
460-43269-H-6-B								
Hg	-.048	ppb	1005					
		Bkgd 1	6143541					
<hr/>								
*** Sample ID: Seq: 34 14:57:37 10 Aug 12 HG								
460-43269-H-7-B								
Hg	.013	ppb	3425					
		Bkgd 1	6143313					
<hr/>								
*** Sample ID: Seq: 35 14:59:23 10 Aug 12 HG								
460-43269-H-8-B								
Hg	-.053	ppb	840					
		Bkgd 1	6143318					
<hr/>								
*** Sample ID: Seq: 36 15:01:08 10 Aug 12 HG								
460-43269-H-9-B								
Hg	-.071	ppb	106					
		Bkgd 1	6143949					

		TEST RUN REPORT		1	2	3	4	5
*** Sample ID:				Seq: 37	15:02:52	10 Aug 12	HG	
		460-43269-H-10-B						
Hg	-.070	ppb	170					
	Bkgd 1		6146283					
*** Sample ID:				Seq: 38	15:04:41	10 Aug 12	HG	
		460-43269-H-11-B						
Hg	-.081	ppb	-286					
	Bkgd 1		6148407					
*** Sample ID:				Seq: 39	15:06:31	10 Aug 12	HG	
		sd 460-43054-D-3-D@5						
Hg	-.022	ppb	2041					
	Bkgd 1		6150692					
*** Check Standard: 2		Ck2ACCV		Seq: 40	15:08:45	10 Aug 12	HG	
Line Flag		Intensities						
Hg		201584						
	Bkgd 1	6152074						
*** Check Standard: 1		Ck1ICB/CCB		Seq: 41	15:10:30	10 Aug 12	HG	
Line Flag		Intensities						
Hg		597						
	Bkgd 1	6149031						
*** Sample ID:				Seq: 42	15:17:19	10 Aug 12	HG	
		MB 460-123184/1-B						
Hg	-.028	ppb	1796					
	Bkgd 1		6148137					
*** Sample ID:				Seq: 43	15:20:02	10 Aug 12	HG	
		LCS 460-123478/2-A						
Hg	.941	ppb	39890					
	Bkgd 1		6146054					
*** Sample ID:				Seq: 44	15:21:59	10 Aug 12	HG	
		460-43022-E-6-J						
Hg	-.034	ppb	1551					
	Bkgd 1		6145560					
*** Sample ID:				Seq: 45	15:23:56	10 Aug 12	HG	
		460-43022-E-6-K DU						
Hg	.743	ppb	32129					
	Bkgd 1		6146632					

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
<hr/>									
*** Sample ID: Seq: 46 15:25:55 10 Aug 12 HG									
460-43022-E-6-L MS									
Hg	.847	ppb	36191						
		Bkgd 1	6113947						
<hr/>									
*** Sample ID: Seq: 47 15:27:42 10 Aug 12 HG									
460-42969-L-1-D									
Hg	-.113	ppb	-1529						
		Bkgd 1	6115852						
<hr/>									
*** Sample ID: Seq: 48 15:29:37 10 Aug 12 HG									
460-42969-L-2-D									
Hg	-.082	ppb	-304						
		Bkgd 1	6119274						
<hr/>									
*** Sample ID: Seq: 49 15:31:38 10 Aug 12 HG									
460-42969-L-3-D									
Hg	-.108	ppb	-1340						
		Bkgd 1	6120640						
<hr/>									
*** Check Standard: 2 Ck2ACCV Seq: 50 15:33:23 10 Aug 12 HG									
Line	Flag	Intensities							
Hg		199735							
		Bkgd 1	6122820						
<hr/>									
*** Check Standard: 1 Ck1ICB/CCB Seq: 51 15:35:07 10 Aug 12 HG									
Line	Flag	Intensities							
Hg		991							
		Bkgd 1	6119997						
<hr/>									
*** Sample ID: Seq: 52 15:36:55 10 Aug 12 HG									
460-42969-L-4-D									
Hg	-.053	ppb	804						
		Bkgd 1	6120491						
<hr/>									
*** Sample ID: Seq: 53 15:38:43 10 Aug 12 HG									
460-42969-L-5-D									
Hg	-.028	ppb	1805						
		Bkgd 1	6120568						
<hr/>									
*** Sample ID: Seq: 54 15:40:31 10 Aug 12 HG									
460-42969-L-6-D									
Hg	-.032	ppb	1632						
		Bkgd 1	6119862						



Line	Conc.	Units	SD/RSD	1	2	3	4	5
---								
*** Standard: 1 Rep: 1				Seq: 1	11:35:01 16 Aug 12 HG			
Hg	.000	ppb	1016					=
*** Standard: 2 Rep: 1				Seq: 2	11:36:46 16 Aug 12 HG			
Hg	.200	ppb	8197					=
*** Standard: 3 Rep: 1				Seq: 3	11:38:37 16 Aug 12 HG			
Hg	1.00	ppb	37545					=
*** Standard: 4 Rep: 1				Seq: 4	11:40:25 16 Aug 12 HG			
Hg	2.00	ppb	71724					=
*** Standard: 5 Rep: 1				Seq: 5	11:42:14 16 Aug 12 HG			
Hg	5.00	ppb	178777					=
*** Standard: 6 Rep: 1				Seq: 6	11:44:20 16 Aug 12 HG			
Hg	10.0	ppb	341786					=
*** Check Standard: 3 Ck3AICV				Seq: 7	11:46:38 16 Aug 12 HG			
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.18	5.00	ppb	.000		=
*** Check Standard: 1 Ck1ICB/CCB				Seq: 8	11:48:24 16 Aug 12 HG			
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.111	.200	ppb	.000			=
*** Sample ID:				Seq: 9	11:50:28 16 Aug 12 HG			
				MB 460-124257/1-A				
Hg	-.048	ppb	.000	-.048				=
=====								
*** Sample ID: LCSSRM 460				Seq: 10	11:52:12 16 Aug 12 HG			
				-124257/2-a@25				
Hg	6.87	ppb	.000	6.87				=
=====								
*** Sample ID:				Seq: 11	11:54:02 16 Aug 12 HG			
				460-43355-E-21-M				
Hg	.008	ppb	.000	.008				=

Folder: 124257hg

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## Protocol: SW846A

\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 12		11:56:01	16 Aug 12	HG
Hg	.031	ppb		460-43355-E-21-N DU				
			.000	.031				
*** Sample ID:				Seq: 13		11:57:46	16 Aug 12	HG
Hg	1.12	ppb		460-43355-E-21-O MS				
			.000	1.12				
*** Sample ID:				Seq: 14		11:59:50	16 Aug 12	HG
Hg	-.026	ppb		460-43355-E-17-E				
			.000	-.026				
*** Sample ID:				Seq: 15		12:01:36	16 Aug 12	HG
Hg	.004	ppb		460-43355-E-18-E				
			.000	.004				
*** Sample ID:				Seq: 16		12:03:34	16 Aug 12	HG
Hg	-.044	ppb		460-43355-E-19-E				
			.000	-.044				
*** Check Standard: 2 Ck2ACCV				Seq: 17		12:05:20	16 Aug 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		108.	5.38	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB				Seq: 18		12:07:14	16 Aug 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.084	.200	ppb	.000			
*** Sample ID:				Seq: 19		12:09:32	16 Aug 12	HG
Hg	1.03	ppb		460-43389-D-1-B				
			.000	1.03				
*** Sample ID:				Seq: 20		12:11:23	16 Aug 12	HG
Hg	.050	ppb		460-43390-E-1-D				
			.000	.050				
*** Sample ID:				Seq: 21		12:13:10	16 Aug 12	HG
Hg	.245	ppb		460-43442-F-1-E				
			.000	.245				
*** Sample ID:				Seq: 22		12:14:54	16 Aug 12	HG
Hg	.491	ppb		460-43455-F-1-D				
			.000	.491				
*** Sample ID:				Seq: 23		12:16:48	16 Aug 12	HG
Hg	.256	ppb		460-43463-F-1-D				
			.000	.256				

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\*\*\*POST-RUN REPORT\*\*\*

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:				Seq: 24	12:18:54	16 Aug 12	HG	
			460-43463-F-2-D					
Hg	.197	ppb	.000	.197				
*** Sample ID:				Seq: 25	12:20:39	16 Aug 12	HG	
			460-43463-F-3-D					
Hg	-.077	ppb	.000	-.077				
*** Sample ID:				Seq: 26	12:22:53	16 Aug 12	HG	
			460-43463-F-7-D					
Hg	.197	ppb	.000	.197				
*** Check Standard: 2 Ck2ACCV				Seq: 27	12:24:48	16 Aug 12	HG	
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		112.	5.58	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB				Seq: 28	12:26:36	16 Aug 12	HG	
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.091	.200	ppb	.000			
*** Sample ID:				Seq: 29	12:28:21	16 Aug 12	HG	
			460-43463-F-8-D					
Hg	.112	ppb	.000	.112				
*** Sample ID:				Seq: 30	12:30:25	16 Aug 12	HG	
			460-43468-A-1-F					
Hg	1.93	ppb	.000	1.93				
*** Sample ID:				Seq: 31	12:32:13	16 Aug 12	HG	
			460-43468-A-2-D					
Hg	1.22	ppb	.000	1.22				
*** Sample ID:				Seq: 32	12:34:03	16 Aug 12	HG	
			460-43468-A-3-D					
Hg	3.07	ppb	.000	3.07				
*** Sample ID:				Seq: 33	12:35:49	16 Aug 12	HG	
			460-43468-A-4-D					
Hg	1.28	ppb	.000	1.28				
*** Sample ID:				Seq: 34	12:37:39	16 Aug 12	HG	
			460-43468-A-5-D					
Hg	1.45	ppb	.000	1.45				
*** Sample ID:				Seq: 35	12:39:36	16 Aug 12	HG	
			460-43468-A-6-D					
Hg	6.01	ppb	.000	6.01				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: Seq: 36 12:41:31 16 Aug 12 HG								
460-43468-A-7-D								
Hg	1.89	ppb	.000	1.89				=
<hr/>								
*** Sample ID: sd 460-433 Seq: 37 12:43:25 16 Aug 12 HG								
55-E-21-M@5								
Hg	-.059	ppb	.000	-.059				=
<hr/>								
*** Check Standard: 2 Ck2ACCV Seq: 38 12:45:32 16 Aug 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		113.	5.65	5.00	ppb	.000		=
<hr/>								
*** Check Standard: 1 Ck1ICB/CCB Seq: 39 12:47:27 16 Aug 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.087	.200	ppb	.000			=
<hr/>								
*** Sample ID: Seq: 40 12:49:36 16 Aug 12 HG								
MB 460-124285/1-A								
Hg	-.084	ppb	.000	-.084				=
<hr/>								
*** Sample ID: LCSSRM 460 Seq: 41 12:51:25 16 Aug 12 HG								
-124285/2-a@25								
Hg	6.37	ppb	.000	6.37				=
<hr/>								
*** Sample ID: Seq: 42 12:53:20 16 Aug 12 HG								
460-43473-E-1-G								
Hg	-.004	ppb	.000	-.004				=
<hr/>								
*** Sample ID: Seq: 43 12:55:21 16 Aug 12 HG								
460-43473-E-1-H DU								
Hg	.014	ppb	.000	.014				=
<hr/>								
*** Sample ID: Seq: 44 12:57:09 16 Aug 12 HG								
460-43473-E-1-I MS								
Hg	1.17	ppb	.000	1.17				=
<hr/>								
*** Sample ID: Seq: 45 12:58:54 16 Aug 12 HG								
460-43468-A-8-D								
Hg	.772	ppb	.000	.772				=
<hr/>								
*** Sample ID: Seq: 46 13:00:39 16 Aug 12 HG								
460-43468-A-9-D								
Hg	6.90	ppb	.000	6.90				=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: Seq: 47 13:02:28 16 Aug 12 HG								
460-43468-A-10-D								
Hg	.669	ppb	.000	.669				
=								
*** Check Standard: 2 Ck2ACCV Seq: 48 13:04:38 16 Aug 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		110.	5.52	5.00	ppb	.000		
=								
*** Check Standard: 1 Ck1ICB/CCB Seq: 49 13:06:22 16 Aug 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.096	.200	ppb	.000			
=								
*** Sample ID: Seq: 50 13:08:41 16 Aug 12 HG								
460-43562-A-1-D								
Hg	2.17	ppb	.000	2.17				
=								
*** Sample ID: Seq: 51 13:10:48 16 Aug 12 HG								
460-43562-A-2-D								
Hg	.354	ppb	.000	.354				
=								
*** Sample ID: Seq: 52 13:12:36 16 Aug 12 HG								
460-43562-A-3-D								
Hg	1.12	ppb	.000	1.12				
=								
*** Sample ID: Seq: 53 13:14:22 16 Aug 12 HG								
460-43562-A-4-D								
Hg	.017	ppb	.000	.017				
=								
*** Sample ID: Seq: 54 13:16:07 16 Aug 12 HG								
460-43562-A-5-D								
Hg	.315	ppb	.000	.315				
=								
*** Sample ID: Seq: 55 13:17:55 16 Aug 12 HG								
460-43103-E-1-D								
Hg	2.74	ppb	.000	2.74				
=								
*** Sample ID: Seq: 56 13:19:52 16 Aug 12 HG								
460-43103-E-2-F								
Hg	.188	ppb	.000	.188				
=								
*** Sample ID: Seq: 57 13:21:41 16 Aug 12 HG								
460-43103-E-3-D								
Hg	2.28	ppb	.000	2.28				
=								
*** Check Standard: 2 Ck2ACCV Seq: 58 13:23:38 16 Aug 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		112.	5.59	5.00	ppb	.000		
=								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Check Standard: 1	Ck1ICB/CCB			Seq: 59		13:25:25	16 Aug 12	HG
Line Flag	Found	Range(+/-)	Units		SD/RSD			
Hg	-.117	.200	ppb		.000			
=								
*** Sample ID:				Seq: 60		13:27:20	16 Aug 12	HG
				460-43103-E-4-D				
Hg	1.62	ppb	.000	1.62				
=								
*** Sample ID:				Seq: 61		13:29:08	16 Aug 12	HG
				460-43103-E-5-D				
Hg	.060	ppb	.000	.060				
=								
*** Sample ID:				Seq: 62		13:30:54	16 Aug 12	HG
				460-43103-E-6-D				
Hg	4.22	ppb	.000	4.22				
=								
*** Sample ID:				Seq: 63		13:32:41	16 Aug 12	HG
				460-43103-E-7-D				
Hg	7.82	ppb	.000	7.82				
=								
*** Sample ID:				Seq: 64		13:34:31	16 Aug 12	HG
				460-43103-E-8-D				
Hg	.006	ppb	.000	.006				
=								
*** Sample ID:				Seq: 65		13:36:23	16 Aug 12	HG
				460-43565-A-1-G				
Hg	.323	ppb	.000	.323				
=								
*** Sample ID:				Seq: 66		13:38:09	16 Aug 12	HG
				sd 460-43473-E-1-G@5				
Hg	-.047	ppb	.000	-.047				
=								
*** Check Standard: 2	Ck2ACCV			Seq: 67		13:40:07	16 Aug 12	HG
Line Flag	%Rcv.	Found	True	Units	SD/RSD			
Hg	111.	5.57	5.00	ppb	.000			
=								
*** Check Standard: 1	Ck1ICB/CCB			Seq: 68		13:41:51	16 Aug 12	HG
Line Flag	Found	Range(+/-)	Units		SD/RSD			
Hg	-.109	.200	ppb		.000			
=								
*** Sample ID:				Seq: 69		14:12:40	16 Aug 12	HG
				MB 460-124311/1-A				
Hg	-.047	ppb	.000	-.047				
=								
<hr/>								
*** Sample ID: LCSSRM 460				Seq: 70		14:14:28	16 Aug 12	HG
				-124311/2-a@25				
Hg	6.65	ppb	.000	6.65				
=								
<hr/>								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID:								
				Seq: 71	14:16:24	16 Aug 12	HG	
				460-43408-E-42-P				
Hg	.101	ppb	.000	.101				=
<hr/>								
*** Sample ID:								
				Seq: 72	14:18:32	16 Aug 12	HG	
				460-43408-A-42-D DU				
Hg	.138	ppb	.000	.138				=
<hr/>								
*** Sample ID:								
				Seq: 73	14:20:17	16 Aug 12	HG	
				460-43408-E-42-Q MS				
Hg	1.35	ppb	.000	1.35				=
<hr/>								
*** Sample ID:								
				Seq: 74	14:22:17	16 Aug 12	HG	
				460-43408-E-40-F				
Hg	.056	ppb	.000	.056				=
<hr/>								
*** Sample ID:								
				Seq: 75	14:24:04	16 Aug 12	HG	
				460-43408-E-41-H				
Hg	.154	ppb	.000	.154				=
<hr/>								
*** Sample ID:								
				Seq: 76	14:25:49	16 Aug 12	HG	
				460-43408-E-43-H				
Hg	.251	ppb	.000	.251				=
<hr/>								
*** Check Standard: 2 Ck2ACCV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		111.	5.55	5.00	ppb	.000		
<hr/>								
*** Check Standard: 1 Ck1ICB/CCB								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.082	.200	ppb	.000			=
<hr/>								
*** Sample ID:								
				Seq: 79	14:31:26	16 Aug 12	HG	
				460-43408-E-44-F				
Hg	.203	ppb	.000	.203				=
<hr/>								
*** Sample ID:								
				Seq: 80	14:33:11	16 Aug 12	HG	
				460-43408-E-45-F				
Hg	.504	ppb	.000	.504				=
<hr/>								
*** Sample ID:								
				Seq: 81	14:35:08	16 Aug 12	HG	
				460-43408-D-46-J				
Hg	.158	ppb	.000	.158				=
<hr/>								
*** Sample ID:								
				Seq: 82	14:36:55	16 Aug 12	HG	
				460-43408-E-47-F				
Hg	.017	ppb	.000	.017				=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID:								
Hg	.207	ppb		Seq: 83 460-43408-E-48-F	.000 .207	14:38:52 16 Aug 12	HG	=
*** Sample ID:								
Hg	.578	ppb		Seq: 84 460-43408-E-49-F	.000 .578	14:41:01 16 Aug 12	HG	=
*** Sample ID:								
Hg	.120	ppb		Seq: 85 460-43408-E-50-F	.000 .120	14:43:07 16 Aug 12	HG	=
*** Sample ID:								
Hg	.687	ppb		Seq: 86 460-43408-E-51-F	.000 .687	14:44:54 16 Aug 12	HG	=
*** Check Standard: 2 Ck2ACCV								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		110.	5.52	5.00	ppb	.000		
*** Check Standard: 1 Ck1ICB/CCB								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.134	.200	ppb	.000			
*** Sample ID:								
Hg	.320	ppb		Seq: 89 460-43408-E-52-F	.000 .320	14:50:52 16 Aug 12	HG	=
*** Sample ID:								
Hg	3.29	ppb		Seq: 90 460-43509-A-1-F	.000 3.29	14:52:48 16 Aug 12	HG	=
*** Sample ID:								
Hg	3.93	ppb		Seq: 91 460-43509-A-2-D	.000 3.93	14:54:36 16 Aug 12	HG	=
*** Sample ID:								
Hg	3.00	ppb		Seq: 92 460-43509-A-3-D	.000 3.00	14:56:36 16 Aug 12	HG	=
*** Sample ID:								
Hg	.041	ppb		Seq: 93 460-43355-E-20-E	.000 .041	14:58:34 16 Aug 12	HG	=
*** Sample ID:								
Hg	-.029	ppb		Seq: 94 460-43355-E-22-G	.000 -.029	15:00:40 16 Aug 12	HG	=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
-----								
*** Sample ID: Seq: 95 15:02:24 16 Aug 12 HG								
460-43554-A-1-B								
Hg	2.13	ppb	.000	2.13				=
*** Sample ID: Seq: 96 15:04:08 16 Aug 12 HG								
460-43554-A-11-B								
Hg	2.03	ppb	.000	2.03				=
=====								
*** Sample ID: sd 460-434 Seq: 97 15:05:53 16 Aug 12 HG								
08-E-42-P@5								
Hg	-.010	ppb	.000	-.010				=
*** Check Standard: 2 Ck2ACCV Seq: 98 15:08:01 16 Aug 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		115.	5.77	5.00	ppb	.000		=
*** Check Standard: 1 Ck1ICB/CCB Seq: 99 15:09:57 16 Aug 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.117	.200	ppb	.000			=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
-----									
*** Standard: 1 Rep: 1				Seq:	1	11:35:01	16 Aug 12	HG	
Hg	.000	ppb	1016						
		Bkgd 1	5912184						
*** Standard: 2 Rep: 1				Seq:	2	11:36:46	16 Aug 12	HG	
Hg	.200	ppb	8197						
		Bkgd 1	5910944						
*** Standard: 3 Rep: 1				Seq:	3	11:38:37	16 Aug 12	HG	
Hg	1.00	ppb	37545						
		Bkgd 1	5908827						
*** Standard: 4 Rep: 1				Seq:	4	11:40:25	16 Aug 12	HG	
Hg	2.00	ppb	71724						
		Bkgd 1	5907413						
*** Standard: 5 Rep: 1				Seq:	5	11:42:14	16 Aug 12	HG	
Hg	5.00	ppb	178777						
		Bkgd 1	5906069						
*** Standard: 6 Rep: 1				Seq:	6	11:44:20	16 Aug 12	HG	
Hg	10.0	ppb	341786						
		Bkgd 1	5907647						
*** Check Standard: 3				Ck3AICV	Seq:	7	11:46:38	16 Aug 12	HG
Line	Flag			Intensities					
Hg				179871					
				Bkgd 1	5908834				
*** Check Standard: 1				Ck1IICB/CCB	Seq:	8	11:48:24	16 Aug 12	HG
Line	Flag			Intensities					
Hg				-938					
				Bkgd 1	5910045				
*** Sample ID:					Seq:	9	11:50:28	16 Aug 12	HG
				MB 460-124257/1-A					
Hg	-.048	ppb	1219						
		Bkgd 1	5912980						

=====

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
---									
*** Sample ID: LCSSRM 460				Seq:	10	11:52:12	16 Aug 12	HG	
				-124257/2-a@25					
Hg	6.87	ppb	237447					=	
		Bkgd 1	5910749					=	
=====									
*** Sample ID:				Seq:	11	11:54:02	16 Aug 12	HG	
				460-43355-E-21-M					
Hg	.008	ppb	3130					=	
		Bkgd 1	5906343					=	
*** Sample ID:				Seq:	12	11:56:01	16 Aug 12	HG	
				460-43355-E-21-N DU					
Hg	.031	ppb	3918					=	
		Bkgd 1	5905483					=	
*** Sample ID:				Seq:	13	11:57:46	16 Aug 12	HG	
				460-43355-E-21-O MS					
Hg	1.12	ppb	41026					=	
		Bkgd 1	5904108					=	
*** Sample ID:				Seq:	14	11:59:50	16 Aug 12	HG	
				460-43355-E-17-E					
Hg	-.026	ppb	1961					=	
		Bkgd 1	5901912					=	
*** Sample ID:				Seq:	15	12:01:36	16 Aug 12	HG	
				460-43355-E-18-E					
Hg	.004	ppb	3003					=	
		Bkgd 1	5901438					=	
*** Sample ID:				Seq:	16	12:03:34	16 Aug 12	HG	
				460-43355-E-19-E					
Hg	-.044	ppb	1363					=	
		Bkgd 1	5900440					=	
*** Check Standard: 2				Ck2ACCV	Seq:	17	12:05:20	16 Aug 12	HG
Line	Flag			Intensities					
Hg				186771				=	
				Bkgd 1	5900351			=	
*** Check Standard: 1				Ck1ICB/CCB	Seq:	18	12:07:14	16 Aug 12	HG
Line	Flag			Intensities					
Hg				-28				=	
				Bkgd 1	5899649			=	

Line	Conc.	Units	SD/RSD	1	2	3	4	5
-----								
*** Sample ID: Seq: 19 12:09:32 16 Aug 12 HG								
460-43389-D-1-B								
Hg	1.03	ppb	37967					
		Bkgd 1	5899949					=
*** Sample ID: Seq: 20 12:11:23 16 Aug 12 HG								
460-43390-E-1-D								
Hg	.050	ppb	4553					
		Bkgd 1	5899790					=
*** Sample ID: Seq: 21 12:13:10 16 Aug 12 HG								
460-43442-F-1-E								
Hg	.245	ppb	11230					
		Bkgd 1	5899706					=
*** Sample ID: Seq: 22 12:14:54 16 Aug 12 HG								
460-43455-F-1-D								
Hg	.491	ppb	19627					
		Bkgd 1	5900019					=
*** Sample ID: Seq: 23 12:16:48 16 Aug 12 HG								
460-43463-F-1-D								
Hg	.256	ppb	11620					
		Bkgd 1	5898949					=
*** Sample ID: Seq: 24 12:18:54 16 Aug 12 HG								
460-43463-F-2-D								
Hg	.197	ppb	9595					
		Bkgd 1	5901351					=
*** Sample ID: Seq: 25 12:20:39 16 Aug 12 HG								
460-43463-F-3-D								
Hg	-.077	ppb	211					
		Bkgd 1	5902484					=
*** Sample ID: Seq: 26 12:22:53 16 Aug 12 HG								
460-43463-F-7-D								
Hg	.197	ppb	9600					
		Bkgd 1	5904971					=
*** Check Standard: 2 Ck2ACCV Seq: 27 12:24:48 16 Aug 12 HG								
Line	Flag		Intensities					
Hg			193506					
			Bkgd 1	5905911				=

Line	Conc.	Units	SD/RSD	1	2	3	4	5
---								
*** Check Standard:	1	Ck1ICB/CCB	Seq:	28	12:26:36	16 Aug 12	HG	
Line Flag		Intensities						=
Hg		-261						=
	Bkgd 1	5902597						=
*** Sample ID:			Seq:	29	12:28:21	16 Aug 12	HG	
			460-43463-F-8-D					=
Hg	.112	ppb	6677					=
	Bkgd 1	5902349						=
*** Sample ID:			Seq:	30	12:30:25	16 Aug 12	HG	
			460-43468-A-1-F					=
Hg	1.93	ppb	68916					=
	Bkgd 1	5900542						=
*** Sample ID:			Seq:	31	12:32:13	16 Aug 12	HG	
			460-43468-A-2-D					=
Hg	1.22	ppb	44569					=
	Bkgd 1	5898961						=
*** Sample ID:			Seq:	32	12:34:03	16 Aug 12	HG	
			460-43468-A-3-D					=
Hg	3.07	ppb	107675					=
	Bkgd 1	5898472						=
*** Sample ID:			Seq:	33	12:35:49	16 Aug 12	HG	
			460-43468-A-4-D					=
Hg	1.28	ppb	46500					=
	Bkgd 1	5897290						=
*** Sample ID:			Seq:	34	12:37:39	16 Aug 12	HG	
			460-43468-A-5-D					=
Hg	1.45	ppb	52495					=
	Bkgd 1	5897489						=
*** Sample ID:			Seq:	35	12:39:36	16 Aug 12	HG	
			460-43468-A-6-D					=
Hg	6.01	ppb	208340					=
	Bkgd 1	5896671						=
*** Sample ID:			Seq:	36	12:41:31	16 Aug 12	HG	
			460-43468-A-7-D					=
Hg	1.89	ppb	67581					=
	Bkgd 1	5895831						=
=====								

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
---									
*** Sample ID: sd 460-433				Seq:	37	12:43:25	16 Aug 12	HG	
55-E-21-M@5									
Hg	-.059	ppb	837					=	
		Bkgd 1	5895795					=	
*** Check Standard: 2				Ck2ACCV	Seq:	38	12:45:32	16 Aug 12	HG
Line	Flag	Intensities							
Hg		195829						=	
		Bkgd 1	5896584					=	
*** Check Standard: 1				Ck1ICB/CCB	Seq:	39	12:47:27	16 Aug 12	HG
Line	Flag	Intensities							
Hg		-110						=	
		Bkgd 1	5895736					=	
*** Sample ID:				Seq:	40	12:49:36	16 Aug 12	HG	
MB 460-124285/1-A									
Hg	-.084	ppb	-22					=	
		Bkgd 1	5896652					=	
=====									
*** Sample ID: LCSSRM 460				Seq:	41	12:51:25	16 Aug 12	HG	
-124285/2-a@25									
Hg	6.37	ppb	220571					=	
		Bkgd 1	5898484					=	
=====									
*** Sample ID:				Seq:	42	12:53:20	16 Aug 12	HG	
460-43473-E-1-G									
Hg	-.004	ppb	2716					=	
		Bkgd 1	5898645					=	
*** Sample ID:				Seq:	43	12:55:21	16 Aug 12	HG	
460-43473-E-1-H DU									
Hg	.014	ppb	3330					=	
		Bkgd 1	5901605					=	
*** Sample ID:				Seq:	44	12:57:09	16 Aug 12	HG	
460-43473-E-1-I MS									
Hg	1.17	ppb	42970					=	
		Bkgd 1	5903128					=	
*** Sample ID:				Seq:	45	12:58:54	16 Aug 12	HG	
460-43468-A-8-D									
Hg	.772	ppb	29239					=	
		Bkgd 1	5902433					=	

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
---									
*** Sample ID: Seq: 46 13:00:39 16 Aug 12 HG									
460-43468-A-9-D									
Hg	6.90	ppb	238617						
		Bkgd 1	5900794					=	
*** Sample ID: Seq: 47 13:02:28 16 Aug 12 HG									
460-43468-A-10-D									
Hg	.669	ppb	25717						
		Bkgd 1	5898020					=	
*** Check Standard: 2 Ck2ACCV Seq: 48 13:04:38 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		191384							
		Bkgd 1	5898147						
*** Check Standard: 1 Ck1ICB/CCB Seq: 49 13:06:22 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		-425							
		Bkgd 1	5895735						
*** Sample ID: Seq: 50 13:08:41 16 Aug 12 HG									
460-43562-A-1-D									
Hg	2.17	ppb	76912						
		Bkgd 1	5895998					=	
*** Sample ID: Seq: 51 13:10:48 16 Aug 12 HG									
460-43562-A-2-D									
Hg	.354	ppb	14969						
		Bkgd 1	5895190					=	
*** Sample ID: Seq: 52 13:12:36 16 Aug 12 HG									
460-43562-A-3-D									
Hg	1.12	ppb	41167						
		Bkgd 1	5895778					=	
*** Sample ID: Seq: 53 13:14:22 16 Aug 12 HG									
460-43562-A-4-D									
Hg	.017	ppb	3440						
		Bkgd 1	5895046					=	
*** Sample ID: Seq: 54 13:16:07 16 Aug 12 HG									
460-43562-A-5-D									
Hg	.315	ppb	13633						
		Bkgd 1	5895217					=	

Line	Conc.	Units	SD/RSD	1	2	3	4	5
-----								
*** Sample ID: Seq: 55 13:17:55 16 Aug 12 HG								
460-43103-E-1-D								
Hg	2.74	ppb	96483					
		Bkgd 1	5894472					=
=								
*** Sample ID: Seq: 56 13:19:52 16 Aug 12 HG								
460-43103-E-2-F								
Hg	.188	ppb	9270					
		Bkgd 1	5894555					=
=								
*** Sample ID: Seq: 57 13:21:41 16 Aug 12 HG								
460-43103-E-3-D								
Hg	2.28	ppb	80833					
		Bkgd 1	5894927					=
=								
*** Check Standard: 2		Ck2ACCV Intensities		Seq: 58		13:23:38 16 Aug 12	HG	
Line	Flag							
Hg		193921						
		Bkgd 1	5896460					=
=								
*** Check Standard: 1		Ck1ICB/CCB Intensities		Seq: 59		13:25:25 16 Aug 12	HG	
Line	Flag							
Hg		-1152						
		Bkgd 1	5896532					=
=								
*** Sample ID: Seq: 60 13:27:20 16 Aug 12 HG								
460-43103-E-4-D								
Hg	1.62	ppb	58140					
		Bkgd 1	5898429					=
=								
*** Sample ID: Seq: 61 13:29:08 16 Aug 12 HG								
460-43103-E-5-D								
Hg	.060	ppb	4892					
		Bkgd 1	5898153					=
=								
*** Sample ID: Seq: 62 13:30:54 16 Aug 12 HG								
460-43103-E-6-D								
Hg	4.22	ppb	146943					
		Bkgd 1	5897997					=
=								
*** Sample ID: Seq: 63 13:32:41 16 Aug 12 HG								
460-43103-E-7-D								
Hg	7.82	ppb	270069					
		Bkgd 1	5894433					=
=								

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: Seq: 64 13:34:31 16 Aug 12 HG								
460-43103-E-8-D								
Hg	.006	ppb	3048					
		Bkgd 1	5891245					=
<hr/>								
*** Sample ID: Seq: 65 13:36:23 16 Aug 12 HG								
460-43565-A-1-G								
Hg	.323	ppb	13891					
		Bkgd 1	5892076					=
<hr/>								
*** Sample ID: Seq: 66 13:38:09 16 Aug 12 HG								
sd 460-43473-E-1-G@5								
Hg	-.047	ppb	1253					
		Bkgd 1	5890399					=
<hr/>								
Line	Flag	Ck2ACCV Intensities	Seq: 67	13:40:07 16 Aug 12	HG			
Hg		193079						
		Bkgd 1	5889843					=
<hr/>								
Line	Flag	Ck1ICB/CCB Intensities	Seq: 68	13:41:51 16 Aug 12	HG			
Hg		-857						
		Bkgd 1	5887718					=
<hr/>								
*** Sample ID: Seq: 69 14:12:40 16 Aug 12 HG								
MB 460-124311/1-A								
Hg	-.047	ppb	1265					
		Bkgd 1	5895914					=
<hr/>								
*** Sample ID: LCSSRM 460 Seq: 70 14:14:28 16 Aug 12 HG								
-124311/2-a@25								
Hg	6.65	ppb	230179					
		Bkgd 1	5895666					=
<hr/>								
*** Sample ID: Seq: 71 14:16:24 16 Aug 12 HG								
460-43408-E-42-P								
Hg	.101	ppb	6304					
		Bkgd 1	5896423					=
<hr/>								
*** Sample ID: Seq: 72 14:18:32 16 Aug 12 HG								
460-43408-A-42-D DU								
Hg	.138	ppb	7575					
		Bkgd 1	5899661					=

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
---									
*** Sample ID: Seq: 73 14:20:17 16 Aug 12 HG									
460-43408-E-42-Q MS									
Hg	1.35	ppb	49063						
		Bkgd 1	5901177					=	
*** Sample ID: Seq: 74 14:22:17 16 Aug 12 HG									
460-43408-E-40-F									
Hg	.056	ppb	4778						
		Bkgd 1	5901068					=	
*** Sample ID: Seq: 75 14:24:04 16 Aug 12 HG									
460-43408-E-41-H									
Hg	.154	ppb	8133						
		Bkgd 1	5900513					=	
*** Sample ID: Seq: 76 14:25:49 16 Aug 12 HG									
460-43408-E-43-H									
Hg	.251	ppb	11449						
		Bkgd 1	5898529					=	
*** Check Standard: 2 Ck2ACCV Seq: 77 14:27:54 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		192638							
		Bkgd 1	5896389						
*** Check Standard: 1 Ck1ICB/CCB Seq: 78 14:29:40 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		60							
		Bkgd 1	5893899						
*** Sample ID: Seq: 79 14:31:26 16 Aug 12 HG									
460-43408-E-44-F									
Hg	.203	ppb	9803						
		Bkgd 1	5892946					=	
*** Sample ID: Seq: 80 14:33:11 16 Aug 12 HG									
460-43408-E-45-F									
Hg	.504	ppb	20080						
		Bkgd 1	5891678					=	
*** Sample ID: Seq: 81 14:35:08 16 Aug 12 HG									
460-43408-D-46-J									
Hg	.158	ppb	8267						
		Bkgd 1	5890617					=	

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
---									
*** Sample ID: Seq: 82 14:36:55 16 Aug 12 HG									
460-43408-E-47-F									
Hg	.017	ppb	3453						
		Bkgd 1	5890119					=	
*** Sample ID: Seq: 83 14:38:52 16 Aug 12 HG									
460-43408-E-48-F									
Hg	.207	ppb	9931						
		Bkgd 1	5889651					=	
*** Sample ID: Seq: 84 14:41:01 16 Aug 12 HG									
460-43408-E-49-F									
Hg	.578	ppb	22600						
		Bkgd 1	5888387					=	
*** Sample ID: Seq: 85 14:43:07 16 Aug 12 HG									
460-43408-E-50-F									
Hg	.120	ppb	6956						
		Bkgd 1	5890135					=	
*** Sample ID: Seq: 86 14:44:54 16 Aug 12 HG									
460-43408-E-51-F									
Hg	.687	ppb	26337						
		Bkgd 1	5891657					=	
*** Check Standard: 2 Ck2ACCV Seq: 87 14:46:39 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		191354							
		Bkgd 1	5893170						
*** Check Standard: 1 Ck1ICB/CCB Seq: 88 14:48:23 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		-1736							
		Bkgd 1	5893865						
*** Sample ID: Seq: 89 14:50:52 16 Aug 12 HG									
460-43408-E-52-F									
Hg	.320	ppb	13782						
		Bkgd 1	5896594					=	
*** Sample ID: Seq: 90 14:52:48 16 Aug 12 HG									
460-43509-A-1-F									
Hg	3.29	ppb	115173						
		Bkgd 1	5894074					=	

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
<hr/>									
*** Sample ID: Seq: 91 14:54:36 16 Aug 12 HG									
460-43509-A-2-D									
Hg	3.93	ppb	137141						
		Bkgd 1	5892310					=	
<hr/>									
*** Sample ID: Seq: 92 14:56:36 16 Aug 12 HG									
460-43509-A-3-D									
Hg	3.00	ppb	105373						
		Bkgd 1	5891172					=	
<hr/>									
*** Sample ID: Seq: 93 14:58:34 16 Aug 12 HG									
460-43355-E-20-E									
Hg	.041	ppb	4254						
		Bkgd 1	5890205					=	
<hr/>									
*** Sample ID: Seq: 94 15:00:40 16 Aug 12 HG									
460-43355-E-22-G									
Hg	-.029	ppb	1864						
		Bkgd 1	5889412					=	
<hr/>									
*** Sample ID: Seq: 95 15:02:24 16 Aug 12 HG									
460-43554-A-1-B									
Hg	2.13	ppb	75692						
		Bkgd 1	5889260					=	
<hr/>									
*** Sample ID: Seq: 96 15:04:08 16 Aug 12 HG									
460-43554-A-11-B									
Hg	2.03	ppb	72226						
		Bkgd 1	5888344					=	
<hr/>									
*** Sample ID: sd 460-434 Seq: 97 15:05:53 16 Aug 12 HG									
08-E-42-P@5									
Hg	-.010	ppb	2505						
		Bkgd 1	5887645					=	
<hr/>									
*** Check Standard: 2 Ck2ACCV Seq: 98 15:08:01 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		200018							
		Bkgd 1	5890054						
<hr/>									
*** Check Standard: 1 Ck1ICB/CCB Seq: 99 15:09:57 16 Aug 12 HG									
Line	Flag	Intensities							
Hg		-1141							
		Bkgd 1	5890173						
<hr/>									

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 123227

Batch Start Date: 08/09/12 08:12

Batch Analyst: Yang, Qin

Batch Method: 3010A

Batch End Date: 08/09/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_LCS-int 00031			
MB 460-123227/1		3010A, 6010B		100 mL	100 mL				
LCS 460-123227/2		3010A, 6010B		100 mL	100 mL	2 mL			
460-43269-H-4 DU		3010A, 6010B	T	100 mL	100 mL				
460-43269-H-4 MS		3010A, 6010B	T	100 mL	100 mL	2 mL			
460-43235-C-5	20120807EB	3010A, 6010B	T	100 mL	100 mL				

Batch Notes	
Batch Comment	1:1 HCL LOT MPR 207
First End time	13:00
Filter Paper Lot Number	090790F
Lot # of Nitric Acid	L03021
Hot Block ID number	5
Oven, Bath or Block Temperature 1	95 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	3
First Start time	8:00
ID number of the thermometer	3
Digestion Tube/Cup Lot #	1111173

Basis	Basis Description
T	Total/NA

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 124251 Batch Start Date: 08/16/12 07:35 Batch Analyst: Chen, Mandi

Batch Method: 3050B Batch End Date: 08/16/12 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ME_LCS-int_00031	ME_LCSS_77_00001	
MB 460-124251/1		3050B, 6010B		CALC NOT SET TO RUN	1.00 g	50 mL			
LCSSRM 460-124251/2		3050B, 6010B		CALC NOT SET TO RUN	1.03 g	50 mL		1 g	
460-43408-D-46 DU		3050B, 6010B	T	CALC NOT SET TO RUN	1.02 g	50 mL			
460-43408-D-46 MS		3050B, 6010B	T	CALC NOT SET TO RUN	1.04 g	50 mL	2 mL		
460-43235-E-1	20120807SB-437V0 -2N	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-43235-E-2	20120807SB-438V5 -6N	3050B, 6010B	T	CALC NOT SET TO RUN	1.01 g	50 mL			
460-43235-E-3	20120807SB-436V0 -2N	3050B, 6010B	T	CALC NOT SET TO RUN	1.10 g	50 mL			
460-43235-E-4	20120807SB-435V0 -2N	3050B, 6010B	T	CALC NOT SET TO RUN	1.13 g	50 mL			

Batch Notes	
Balance ID	35
Hydrogen peroxide lot number	K45J00
Lot # of hydrochloric acid	L02A02
Logbook ID for diluted Nitric	MPR197
Lot # of Nitric Acid	L03021
Hood ID or number	8
Hot Block ID number	1
Pipette ID	25
Temperature	95 Degrees C
ID number of the thermometer	ICP-2
Digestion Tube/Cup Lot #	144697263

Basis	Basis Description
T	Total/NA

6010B

Page 1 of 1

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 123474

Batch Start Date: 08/10/12 11:15

Batch Analyst: Sheikh, Razia B

Batch Method: 7470A

Batch End Date: 08/10/12 13:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00878			
MB 460-123474/1		7470A, 7470A		30 mL	30 mL				
LCS 460-123474/2		7470A, 7470A		30 mL	30 mL	0.3 mL			
460-43054-D-3 DU		7470A, 7470A	T	30 mL	30 mL				
460-43054-D-3 MS		7470A, 7470A	T	30 mL	30 mL	0.3 mL			
460-43235-C-5	20120807EB	7470A, 7470A	T	30 mL	30 mL				
ICV 460-123474/31		7470A, 7470A		100 mL	100 mL	5 mL			
CCV 460-123474/33		7470A, 7470A		100 mL	100 mL	5 mL			

## Batch Notes

Hydroxylamine Hydrochloride Lot	hgr01473
Sulfuric Acid Lot Number	k53043
Lot # of hydrochloric acid	hgr01474
Lot # of Nitric Acid	103021
Hood ID or number	2
Hot Block ID number	9
Potassium Persulfate Lot Number	hgr01482
Potassium Permanganate Lot Number	hgr01470
NaCL Lot #	hgr01473
Oven, Bath or Block Temperature 1	95 Degrees C
Pipette ID	3
Stannous Chloride Lot Number	hgr01475
Digestion Tube/Cup Lot #	143136-263

Basis	Basis Description
T	Total/NA

## METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.:

Batch Number: 124374

Batch Start Date: 08/16/12 16:28

Batch Analyst: Staib, Thomas

Batch Method: 7471A

Batch End Date: 08/16/12 18:13

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 00882	ME_DQCS-INT 00594	ME_LCSS_77 00001	
ICV 460-124374/7		7471A, 7471A		0.60 g	100 mL		5 mL		
CCV 460-124374/8		7471A, 7471A		0.60 g	100 mL		5 mL		
MB 460-124374/10		7471A, 7471A		0.60 g	100 mL				
LCSSRM 460-124374/11		7471A, 7471A		0.60 g	100 mL			0.6 g	
460-43103-E-11 DU		7471A, 7471A	T	0.60 g	100 mL				
460-43103-E-11 MS		7471A, 7471A	T	0.60 g	100 mL	1 mL			
460-43235-E-1 -2N	20120807SB-437V0	7471A, 7471A	T	0.60 g	100 mL				
460-43235-E-2 -6N	20120807SB-438V5	7471A, 7471A	T	0.67 g	100 mL				
460-43235-E-3 -2N	20120807SB-436V0	7471A, 7471A	T	0.64 g	100 mL				
460-43235-E-4 -2N	20120807SB-435V0	7471A, 7471A	T	0.62 g	100 mL				

## Batch Notes

Hydroxylamine Hydrochloride Lot	HgR01479
Balance ID	#35
Batch Comment	Autoclave Pressure 15 LBS
Sulfuric Acid Lot Number	K53043
Lot # of hydrochloric acid	HgR01480
Lot # of Nitric Acid	L03021
Hood ID or number	#1
Potassium Permanganate Lot Number	HgR01478
NaCL Lot #	HgR01479
Oven, Bath or Block Temperature 1	Autoclave Temperature 121 Degrees Celcius
Pipette ID	#25
Stannous Chloride Lot Number	HgR01481
ID number of the thermometer	Prep-1

METALS BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Batch Number: 124374

Batch Start Date: 08/16/12 16:28

Batch Analyst: Staib, Thomas

Batch Method: 7471A

Batch End Date: 08/16/12 18:13

Basis	Basis Description
T	Total/NA

# **GENERAL CHEMISTRY**

COVER PAGE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG No.: \_\_\_\_\_

Project: Rohm and Haas Philly Plant

Client Sample ID
20120807SB-437V0-2N
20120807SB-438V5-6N
20120807SB-436V0-2N
20120807SB-435V0-2N

Lab Sample ID
460-43235-1
460-43235-2
460-43235-3
460-43235-4

Comments:

---

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9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison

Job Number: 460-43235-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

13-IN  
ANALYSIS RUN LOG  
GENERAL CHEMISTRY

Lab Name: TestAmerica Edison Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/08/2012 12:45 End Date: 08/08/2012 12:45

Lab Sample ID	D / F	T Y p e	Time	Analytes									
				% S o l	M o i s t								
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
460-43235-1	1	T	12:45	X	X								
460-43235-2	1	T	12:45	X	X								
460-43235-3	1	T	12:45	X	X								
460-43235-4	1	T	12:45	X	X								
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
460-43228-A-4 DU	1	T	12:45	X	X								
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										
ZZZZZZ			12:45										

Prep Types

T = Total/NA

## GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Edison

Job No.: 460-43235-1

SDG No.: \_\_\_\_\_

Batch Number: 123113

Batch Start Date: 08/08/12 12:45

Batch Analyst: Chang, Ryan

Batch Method: Moisture

Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
460-43235-A-1	20120807SB-437V0 -2N	Moisture	T	69	1.02 g	6.04 g	5.83 g		
460-43235-A-2	20120807SB-438V5 -6N	Moisture	T	70	1.03 g	6.27 g	5.40 g		
460-43235-A-3	20120807SB-436V0 -2N	Moisture	T	71	1.01 g	7.41 g	7.25 g		
460-43235-A-4	20120807SB-435V0 -2N	Moisture	T	72	0.93 g	6.13 g	5.11 g		
460-43228-A-4 DU		Moisture	T	78	0.98 g	7.55 g	6.79 g		

## Batch Notes

Balance ID	104 No Unit
Date samples were placed in the oven	08/08/12
Oven Temp when samples are put in oven	Oven-1 104 Degrees C
Time samples were place in the oven	13:10
Oven ID	1
ID number of the thermometer	C4350
Uncorrected In Temperature	None Celsius

Basis	Basis Description
T	Total/NA

# **Shipping and Receiving Documents**

TestAmerica

## **CHAIN OF CUSTODY / ANALYSIS REQUEST**

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of  
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*O G H*  
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08/20/2012

777 New Durham Road  
Edison, New Jersey 08817  
Phone: (732) 549-3900 Fax: (732) 549-3679

Laboratory Certifications: New Jersey (12028), North Carolina (No. 578) Massachusetts (M-NJ312),

**Short  
Hold**

**TestAmerica Edison  
Sample pH Receipt Log**

Job No. 43235

If pH adjustments are required record the information below:

Sample No(s). adjusted:

**Lot # of Broccolitons**

\* Project Manager and the Department Manager should be notified about the samples which were pH adjusted. Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: Cay  
Dattier

## Login Sample Receipt Checklist

Client: URS Corporation

Job Number: 460-43235-1

**Login Number: 43235**

**List Source: TestAmerica Edison**

**List Number: 1**

**Creator: Meyers, Gary**

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 ° C IR #50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.